

**Datasheet for 600-401-W99****Che-1 Phospho S477 (AATF) Antibody****Overview**

|                      |                                                         |
|----------------------|---------------------------------------------------------|
| <b>Description:</b>  | Anti-Che-1 pS477 (AATF) (RABBIT) Antibody - 600-401-W99 |
| <b>Item No.:</b>     | 600-401-W99                                             |
| <b>Size:</b>         | 100 µL                                                  |
| <b>Applications:</b> | WB                                                      |
| <b>Reactivity:</b>   | Human                                                   |
| <b>Host Species:</b> | Rabbit                                                  |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Background:</b>   | Che-1, also known as AATF (apoptosis-antagonizing transcription factor), is a RNA polymerase II-binding protein involved in regulating the transcription factor E2F and promoting cell cycle progression. It has been suggested that Che-1 may act as a neuroprotective factor against Abeta-induced apoptosis by suppressing the production of reactive oxidative species. The checkpoint kinase Chk2 has been shown to phosphorylate Che-1 at Ser477 contributing to the maintenance of the G2/M checkpoint induced by DNA damage. Che-1 pS477 Antibody is ideal for researchers interested in cell cycle research. |
| <b>Synonyms:</b>     | Apoptosis-antagonizing transcription factor, Rb-binding protein Che-1, Che-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

**Target Details**

|                         |                    |
|-------------------------|--------------------|
| <b>Gene Name:</b>       | AATF               |
| <b>Reactivity:</b>      | Human              |
| <b>PTM Specificity:</b> | Phosphorylation    |
| <b>Immunogen Type:</b>  | Conjugated Peptide |

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Immunogen:</b>          | Anti-Phospho- Ser477 Che-1 (AATF) Antibody was produced in rabbits by repeated immunizations with a synthetic phospho-peptide corresponding to amino acid residues surrounding Ser477 of human Che-1 conjugated to KLH.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity/Specificity:</b> | Anti-Phospho- Ser477 Che-1 (AATF) Antibody is directed against AATF protein phosphorylated at S477. The antibody was prepared from monospecific antiserum by immunoaffinity chromatography using phospho peptide coupled to agarose beads followed by solid phase adsorption(s) against non-phospho peptide and non-specific peptide to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum. This antibody is specific for phosphorylated AATF. Minimal reactivity occurs against non-phosphorylated AATF. Reactivity against AATF occurs from human sources. However, reactivity is also expected against bovine, canine, mouse, non-human primate, rat, sheep, and Xenopus based on 100% sequence homology. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q9NY61</a></li><li>• <a href="#">GeneID - 26574</a></li><li>• <a href="#">NCBI - NP_036270.1</a></li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Application Details

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| <b>Tested Applications:</b> | WB                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Application Note:</b>    | Anti-Phospho-Ser477 Che-1 (AATF) Antibody is tested for Western Blots and is specific for the ~66 kDa Che-1 protein phosphorylated at Ser477. Immunolabeling is blocked by preadsorption of antibody with the phospho-peptide that was used to generate the antibody but not by the corresponding dephospho-peptide. Specific conditions for reactivity should be optimized by the end user. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                                                                                                              |
| <b>ELISA:</b>               | 1:10,000                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>WB:</b>                  | 1:1000                                                                                                                                                                                                                                                                                                                                                                                       |

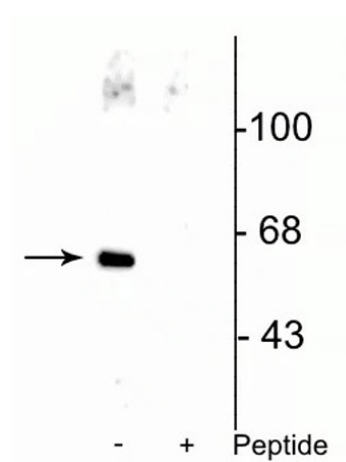
## Formulation

|                        |                                                                                  |
|------------------------|----------------------------------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                                                        |
| <b>Buffer:</b>         | 0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5                                     |
| <b>Preservative:</b>   | None                                                                             |
| <b>Stabilizer:</b>     | 0.1 mg/ml Bovine Serum Albumin (BSA) - IgG and Protease free, 50% (v/v) Glycerol |

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                                                            |
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| <b>Shipping Condition:</b> | Wet Ice                                                                                                                                                                                                                                                                                    |
| <b>Storage Condition:</b>  | Store vial at -20° C prior to opening in undiluted aliquots. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. Dilute only prior to immediate use. |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt.                                                                                                                                                                                                                                      |

## Images



### Western Blot

Western blot of Anti-Che-1 pS477 (AATF) Antibody.  
 HeLa cell lysate showing specific immunolabeling of the ~66 kDa Che-1 protein phosphorylated at Ser477 in the first lane (-). Phosphospecificity is shown in the second lane (+) where immunolabeling is blocked by preadsorption of the phosphopeptide used as the antigen, but not by the corresponding non-phosphopeptide (not shown).

## Disclaimer

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