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Datasheet for 600-401-W97

BECLIN1 phospho S295 Antibody

Overview

Description:	Anti-Beclin1 pS295 (RABBIT) Antibody - 600-401-W97
Item No.:	600-401-W97
Size:	100 µL
Applications:	WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Beclin-1 plays a key role in tumor suppression and autophagy. It has been suggested that autophagy proteins such as beclin-1 can inhibit tumorigenesis and that decreased expression of these proteins may contribute to the development of human malignancies. Beclin-1 has been shown to interact with 14-3-3 proteins through Akt-mediated phosphorylation at Ser234. Beclin 1 pS295 Antibody is ideal for researchers interested in cancer research.
Synonyms:	Run domain Beclin-1 interacting and cysteine-rich containing protein, Rubicon, Beclin-1 associated RUN domain containing protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BECN1
Reactivity:	Human
PTM Specificity:	Phosphorylation
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Phospho-Ser295 Beclin-1 Antibody was produced in rabbits by repeated immunizations with a synthetic phospho-peptide corresponding to amino acid residues surrounding Ser295 of human Beclin-1 conjugated to KLH.

Purity/Specificity:	Anti-Phospho-Ser295 Beclin-1 Antibody is directed against Beclin 1 protein phosphorylated at S234. 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 Beclin1. Minimal reactivity occurs against non-phosphorylated Beclin1. Reactivity against Beclin1 occurs from human sources. However, reactivity is also expected against bovine, canine, chicken, mouse, non-human primate, sheep, Xenopus, and zebrafish.
Relevant Links:	• UniProtKB - Q14457 • GeneID - 8678 • NCBI - NP_001300927.1

Application Details

Tested Applications:	WB
Application Note:	Anti-Phospho-Ser295 Beclin-1 Antibody is tested for WB. Expect a band at approximately ~60 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user. Immunolabeling of the Beclin-1 band is decreased in the Beclin-1 alanine substitution mutant.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:2,500
WB:	1:250

Formulation

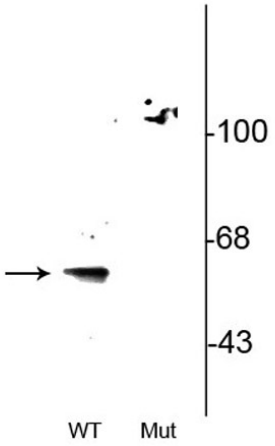
Physical State:	Liquid (sterile filtered)
Buffer:	0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5
Preservative:	None
Stabilizer:	0.1 mg/ml Bovine Serum Albumin (BSA) - IgG and Protease free, 50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Wet Ice

Storage Condition:	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.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western blot of Anti-Beclin 1 pS295 antibody.
Wild type (WT) beclin-1 expressed in HeLa cell lysate showing specific immunolabeling of beclin-1 phosphorylated at Ser295. This immunolabeling is eliminated in the beclin-1 alanine substitution mutant (S295A: Mut) expressed in HeLa cell lysate.

Disclaimer

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