

**Datasheet for 600-401-J09****KAT II Antibody****Overview**

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| <b>Description:</b>  | Anti-KAT II (RABBIT) Antibody - 600-401-J09 |
| <b>Item No.:</b>     | 600-401-J09                                 |
| <b>Size:</b>         | 100 µg                                      |
| <b>Reactivity:</b>   | Mouse                                       |
| <b>Host Species:</b> | Rabbit                                      |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Background:</b>   | Kynurenine aminotransferase II (KATII) is the major enzyme responsible for the synthesis of the endogenous neuroprotectant kynurenic acid in the brain. Anti-KAT II antibody is ideal for researchers interested in Metabolism and Signal Transduction research.                                                                                                                    |
| <b>Synonyms:</b>     | rabbit anti-Kat II antibody, Kat-II, Kat2, Kat 2, Aadat, Kynurenine/alpha-aminoadipate aminotransferase, KAT/AadAT, 2-aminoadipate aminotransferase, 2-aminoadipate transaminase, Alpha-aminoadipate aminotransferase, Kynurenine aminotransferase II, Kynurenine-oxoglutarate aminotransferase II, Kynurenine-oxoglutarate transaminase 2, Kynurenine-oxoglutarate transaminase II |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                 |

**Target Details**

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| <b>Gene Name:</b>      | Aadat                                                                                                                                                                                             |
| <b>Reactivity:</b>     | Mouse                                                                                                                                                                                             |
| <b>Immunogen Type:</b> | Conjugated Peptide                                                                                                                                                                                |
| <b>Immunogen:</b>      | KAT II affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a region near the N terminus of mouse KAT II. |

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| <b>Purity/Specificity:</b> | Anti-KAT II was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross-reactivity with human, rat, and mouse based on 100% sequence homology. Cross-reactivity with KAT II from other sources has not been determined. |
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| <b>Relevant Links:</b> | <ul style="list-style-type: none"><li><a href="#">UniProtKB - Q8N5Z0</a></li></ul> |
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## Application Details

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| <b>Application Note:</b> | Anti-KAT II antibody is useful for ELISA, immunohistochemistry, and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~49kDa corresponding to the appropriate cell lysate or extract. |
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| <b>Assay Dilutions:</b> | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
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| <b>ELISA:</b> | 1: 10,000 |
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|            |        |
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| <b>WB:</b> | 1ug/ml |
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## Formulation

|                        |                           |
|------------------------|---------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered) |
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| <b>Concentration:</b> | 1.05mg/mL by UV absorbance at 280 nm |
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| <b>Buffer:</b> | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
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| <b>Stabilizer:</b> | 30% Glycerol |
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## Shipping & Handling

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| <b>Shipping Condition:</b> | Dry Ice |
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|                           |                                                                                                                                                                                                                                                                                                                                               |
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| <b>Storage Condition:</b> | Store vial at -20° C prior to opening. 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. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |
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| <b>Expiration:</b> | Expiration date is one (1) year from date of receipt. |
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## Disclaimer

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