

**Datasheet for 600-401-J84****Kmo Antibody****Overview**

|                      |                                          |
|----------------------|------------------------------------------|
| <b>Description:</b>  | Anti-KMO (RABBIT) Antibody - 600-401-J84 |
| <b>Item No.:</b>     | 600-401-J84                              |
| <b>Size:</b>         | 100 µg                                   |
| <b>Reactivity:</b>   | Mouse                                    |
| <b>Host Species:</b> | Rabbit                                   |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Background:</b>   | Kynurenine 3-monooxygenase (KMO) catalyzes the hydroxylation of L-kynurenine (L-Kyn) to form 3-hydroxy-L-kynurenine (L-3OHKyn). The enzyme is required for synthesis of quinolinic acid. Quinolinic acid is a neurotoxic NMDA receptor antagonist and potential endogenous inhibitor of NMDA receptor signaling in axonal targeting, synaptogenesis and apoptosis during brain development. Anti-KMO antibodies are ideal for researchers interested in Apoptosis, Neurodegeneration, and Neuroscience research. |
| <b>Synonyms:</b>     | rabbit anti-Kmo antibody, kynurenine 3-monooxygenase, kynurenine 3-hydroxylase                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

**Target Details**

|                            |                                                                                                                                                                                                                                                                              |
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| <b>Gene Name:</b>          | Kmo                                                                                                                                                                                                                                                                          |
| <b>Reactivity:</b>         | Mouse                                                                                                                                                                                                                                                                        |
| <b>Immunogen Type:</b>     | Conjugated Peptide                                                                                                                                                                                                                                                           |
| <b>Immunogen:</b>          | Anti-KMO affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide at the N-terminal of mouse KMO protein.                                                                                                 |
| <b>Purity/Specificity:</b> | Anti-KMO was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross-reactivity with mouse and rat based on 100% sequence homology. Cross-reactivity with KMO from other sources has not been determined. |

## Application Details

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| <b>Application Note:</b> | Anti-KMO antibody is useful for ELISA, Immunohistochemistry, and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~58kDa corresponding to the appropriate cell lysate or extract. |
| <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>               | 1ug/ml                                                                                                                                                                                                                                             |

## Formulation

|                        |                                                            |
|------------------------|------------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                                  |
| <b>Concentration:</b>  | 1.01 mg/mL by UV absorbance at 280 nm                      |
| <b>Buffer:</b>         | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Stabilizer:</b>     | 50% (v/v) Glycerol                                         |

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Dry Ice                                                                                                                                                                                                                                                                                                                                       |
| <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. |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt.                                                                                                                                                                                                                                                                                         |

## Disclaimer

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