Datasheet for 600-401-J83

Kmo Antibody

Overview

Description:	Anti-KMO (RABBIT) Antibody - 600-401-J83
Item No.:	600-401-J83
Size:	100 µg
Reactivity:	Mouse
Host Species:	Rabbit

Product Details

Background:	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.
Synonyms:	rabbit anti-Kmo antibody, kynurenine 3-monooxygenase, kynurenine 3-hydroxylase
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

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

Application Details

Application Note:	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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1: 10,000
WB:	1ug/ml

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.09 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer:	50% (v/v) Glycerol

Shipping & Handling

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

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www.rockland.com
tech@rockland.com
+1 484.791.3823