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Datasheet for ABIN1607892

## anti-KMO antibody (Internal Region)

### 1 Image

#### Overview

Quantity:	100 µg
Target:	KMO
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Fluorescence Microscopy (FM)

#### Product Details

Immunogen:	KMO affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region of the mouse KMO chain. Immunogen Type: Peptide
Cross-Reactivity (Details):	Cross reactivity with KMO from other sources has not been determined.
Purity:	Anti-KMO was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody is specific towards Kynurenine 3-monooxygenase (KMO). A BLAST analysis was used to suggest cross-reactivity with Mouse based on 100 % sequence homology.
Endotoxin Level:	Low Endotoxin : No

## Target Details

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Target:	KMO
Alternative Name:	KMO ( <a href="#">KMO Products</a> )
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: kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)
Gene ID:	8564
NCBI Accession:	<a href="#">NP_003670</a>
UniProt:	<a href="#">O15229</a>

## Application Details

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Application Notes:	Anti-KMO antibody is useful for ELISA and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~58 kDa corresponding to the appropriate cell lysate or extract. ELISA Dilution: 1:20.000 - 1:60.000 Immunohistochemistry Dilution: 1:100-1:500 IF Microscopy Dilution: 1:100-1:500 Western Blot Dilution: 1 µg/mL
Restrictions:	For Research Use only

## Handling

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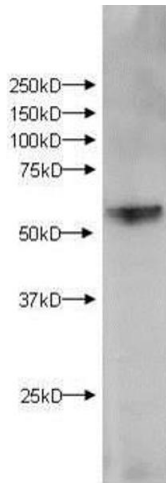
Format:	Liquid
Concentration:	1.08 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 50 % (v/v) Glycerol
Storage:	4 °C/-20 °C
Storage Comment:	Store vial at -20 °C prior to opening. Aliquot contents and freeze at -20 °C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after

## Handling

standing at room temperature. This product is stable for several weeks at 4 °C as an undiluted liquid. Dilute only prior to immediate use.

Expiry Date: Expiration date is six (6) months from date of opening.

## Images



### Western Blotting

**Image 1.** Western Blot of Rabbit anti-KMO antibody. Lane 1: Brain Extract. Load: 10 µg per lane. Primary antibody: KMO antibody at 1µg/mL for overnight at 4°C. Secondary antibody: rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 58 kDa for KMO. Other band(s): None.