

Anti-Kynurenine 3-monooxygenase KMO Antibody

Catalog Number: A05469

About KMO

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.

Overview

Product Name	Anti-Kynurenine 3-monooxygenase KMO Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Kynurenine 3-monooxygenase KMO Antibody (Catalog # A05469). Tested in WB applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC, WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 50% (v/v) Glycerol
Storage Instructions	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 date is six (6) months from date of opening. (Ship on dry ice.)
Host	Rabbit
Uniprot ID	O15229

Technical Details

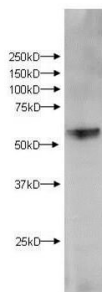
Immunogen	KMO affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region surrounding 300-400aa of the mouse KMO chain.
Predicted Reactive Species	Bovine, Chimpanzee
Isotype	IgG
Form	Liquid (sterile filtered)
Concentration	1.02 mg/ml by UV absorbance at 280 nm
Purification	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. Cross-reactivity with KMO from other sources has not been determined.

Suggested Dilutions

ELISA: 1:20,000 - 1:60,000
IHC: 1:100-1:500
IF Microscopy: 1:100-1:500
WB: 1 µg/ml
Anti-KMO antibody is tested 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.

Anti-Kynurenine 3-monooxygenase KMO Antibody (A05469) Images



Western Blot of Rabbit anti-KMO antibody. Lane 1: Brain Extract. Load: 10 μ g per lane. Primary antibody: KMO antibody at 1 μ g/mL for overnight at 4°C. Secondary antibody: IRDye800™ 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.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Kynurenine 3-monooxygenase KMO Antibody

For Research Use Only. Not for use in diagnostic procedures.