

Product Datasheet

Kynurenine 3-Monooxygenase/KMO Antibody - Azide and BSA Free NBP1-44263

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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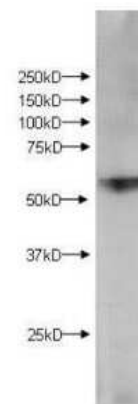


NBP1-44263**Kynurenine 3-Monooxygenase/KMO Antibody - Azide and BSA Free**

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 50% (v/v) Glycerol
Product Description	
Description	This antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography Store vial at -20C prior to opening. Aliquot contents and freeze at -20C 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 4C as an undiluted liquid. Dilute only prior to immediate use.
Host	Rabbit
Gene ID	8564
Gene Symbol	KMO
Species	Human, Mouse
Reactivity Notes	A BLAST analysis was used to suggest cross-reactivity with Mouse based on 100% sequence homology. Cross-reactivity with Kynurenine 3-Monooxygenase/KMO from other sources has not been determined.
Immunogen	Kynurenine 3-Monooxygenase/Kynurenine 3-Monooxygenase/KMO 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 Kynurenine 3-Monooxygenase/KMO chain. (Uniprot: O15229)
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1 ug/ml, ELISA 1:20000-1:60000, Immunohistochemistry 1:100-1:500, Immunocytochemistry/ Immunofluorescence 1:100-1:500
Application Notes	This product 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.

Images

Western Blot: Kynurenine 3-Monooxygenase/KMO Antibody [NBP1-44263] - Lane 1: Brain Extract. Load: 10 ug per lane. Primary antibody: KMO antibody at 1ug/mL for overnight at 4C. Secondary antibody: IRDye800 rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4C. Predicted/Observed size: 58 kDa for KMO. Other band(s): None.



Publications

Alexandre G. Maganin, Guilherme R. Souza, Miriam D. Fonseca, Alexandre H. Lopes, Rafaela M. Guimarães, André Dagostin, Nerry T. Cecilio, Atlante S. Mendes, William A. Gonçalves, Conceição E.A. Silva, Francisco Isaac Fernandes Gomes, Lucas M. Mauriz Marques, Rangel L. Silva, Letícia M. Arruda, Denis A. Santana, Henrique Lemos, Lei Huang, Marcela Davoli-Ferreira, Danielle Santana-Coelho, Morena B. Sant'Anna, Ricardo Kusuda, Jhimmy Talbot, Gabriela Pacholczyk, Gabriela A. Buqui, Norberto P. Lopes, Jose C. Alves-Filho, Ricardo M. Leão, Jason C. O'Connor, Fernando Q. Cunha, Andrew Mellor, Thiago M. Cunha Meningeal dendritic cells drive neuropathic pain through elevation of the kynurenine metabolic pathway in mice *The Journal of Clinical Investigation* 2022-12-01 [PMID: 36227694]

Vamos E, Pardutz A, Klivenyi P et al. he role of kynurenines in disorders of the central nervous system: Possibilities for neuroprotection. *J Neurol Sci* 2009-01-01 [PMID: 19268309]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-44263

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-54915PEP	Kynurenine 3-Monooxygenase/KMO Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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