

Product Datasheet

Monoamine Oxidase B Antibody

NB100-2826

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB100-2826**Monoamine Oxidase B Antibody**

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Host	Goat
Gene ID	4129
Gene Symbol	MAOB
Species	Human
Specificity/Sensitivity	This antibody is not expected to cross-react with MAOA.
Immunogen	Peptide with sequence C-HKARKLARLTKEE corresponding to internal region according to NP_000889.3.

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Peptide ELISA
Recommended Dilutions	Western Blot 0.1 - 0.3 ug/mL, Flow Cytometry 10 ug/mL, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Peptide ELISA Detection limit 1:32000
Application Notes	Western blot: Approx 60 kDa band observed in Human and Mouse Liver lysates and approx. 55-60 kDa in Human Testis and Breast cancer lysates (calculated MW of 58.8 kDa according to NP_000889.3).

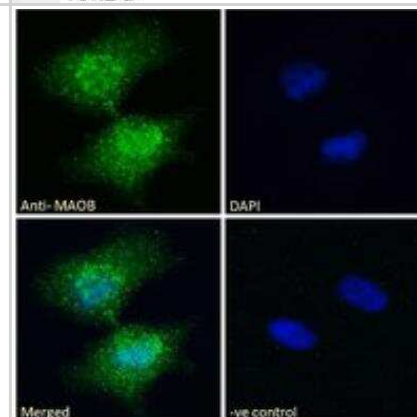


Images

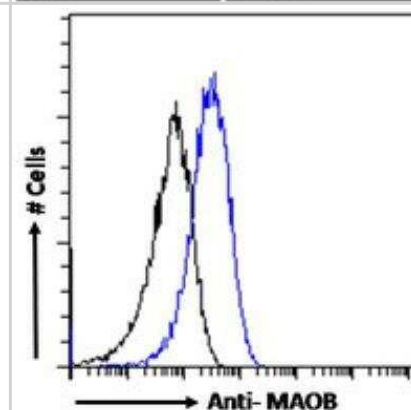
Western Blot: Monoamine Oxidase B Antibody [NB100-2826] - Staining of Mouse Liver lysate (35 ug protein in RIPA buffer). Antibody at 0.1 ug/mL. Detected by chemiluminescence.



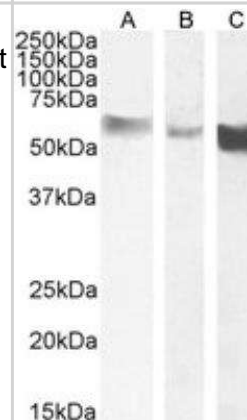
Immunocytochemistry/Immunofluorescence: Monoamine Oxidase B Antibody [NB100-2826] - Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



Flow Cytometry: Monoamine Oxidase B Antibody [NB100-2826] - Flow cytometric analysis of paraformaldehyde fixed HepG2 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Western Blot: Monoamine Oxidase B Antibody [NB100-2826] - Staining of Human Liver (A) with antibody at 0.1 ug/mL and Testes (B) and Breast Cancer (C) lysate with antibody at 0.3ug/mL (35 ug protein in RIPA buffer). Detected by chemiluminescence.



Publications

Domschke K, Sheehan K, Lowe N et al. Association analysis of the monoamine oxidase A and B genes with attention deficit hyperactivity disorder (ADHD) in an Irish sample: Preferential transmission of the MAO-A 941G allele to affected children. *Am J Med Genet B Neuropsychiatr Genet* 2005-04-05 [PMID: 15717295]



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Products Related to NB100-2826

NB820-59177	Human Brain Whole Tissue Lysate (Adult Whole Normal)
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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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