

# Product Datasheet

## Monoamine Oxidase B Antibody - BSA Free NBP1-59569

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 1

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**NBP1-59569**

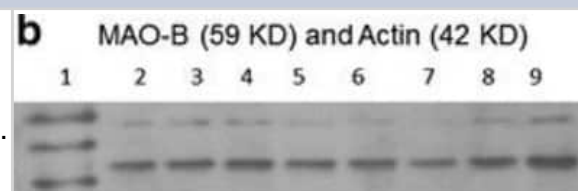
Monoamine Oxidase B Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS, 2% Sucrose
Target Molecular Weight	59 kDa
Product Description	
Description	The addition of 50% glycerol is optional for those storing this antibody at -20C and not aliquoting smaller units. However, please note that glycerol may interrupt some downstream antibody applications and should be added with caution.
Host	Rabbit
Gene ID	4129
Gene Symbol	MAOB
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 26841904).
Marker	Mitochondrial Outer Membrane Marker
Immunogen	Synthetic peptides corresponding to MAOB(monoamine oxidase B) The peptide sequence was selected from the N terminal of MAOB. Peptide sequence RDRVGGRTYTLRNQKVKYVDLGGSYVGPTQNRILRLAKELGLETYKVNEV. The peptide sequence for this immunogen was taken from within the described region.
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1.0 ug/ml, Simple Western, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	Monoamine Oxidase B Antibody validated for Simple Western from a verified customer review.

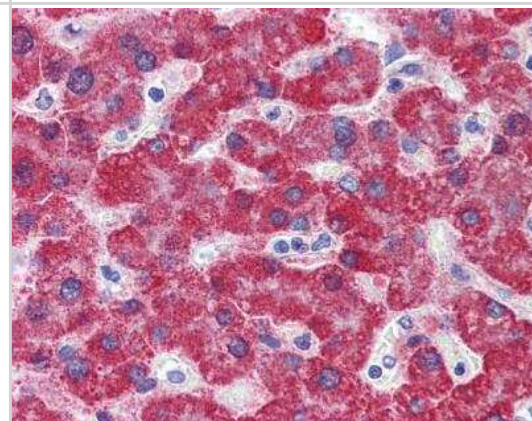


## Images

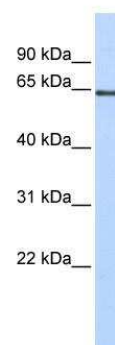
Western Blot: Monoamine Oxidase B Antibody [NBP1-59569] - Mice were pretreated with 5ECdsAP1 aptamer before amphetamine application; tissue samples collected (n = 4 per group) from the VTA at 90 (60 + 30 min) and 180 (60 + 30 + 90 min) minutes after amphetamine. Protein was obtained for Western blot quantitation of MAO-A level using Actin (lower molecular fragments) as a reference shown in lanes 2-4 (90 min samples) or lane 5-6 (180 min). Total protein (10 ug) was used for all lanes except lanes 7 & 9. The blot was stripped and used for MAO-B. Lane 1: molecular size marker of 10 KD ladder; lane 2: 5ECdsAP1 (4 nmol/kg, icv, 1/2 dose); lanes 3 & 5: saline (2 ul, icv); lanes 4 & 6: 5ECdsAP1 (8 nmol/kg, icv); lanes 7, 8, 9 are controls of naive mice with no aptamer or amphetamine (5, 10 and 20 ug protein). Image collected and cropped by CiteAb from the following publication (<https://www.jbiomedsci.com/content/23/1/21>), licensed under a CC-BY license.



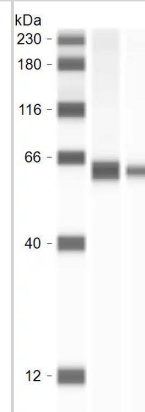
Immunohistochemistry-Paraffin: Monoamine Oxidase B Antibody [NBP1-59569] - Human Liver tissue.



Western Blot: Monoamine Oxidase B Antibody [NBP1-59569] - Human heart.



Simple Western: Monoamine Oxidase B Antibody [NBP1-59569] - Monoamine Oxidase B Antibodies (NBP1-59569), ProteinSimple Western Blot on Jess Instrument. One microgram of human brain tissue lysate was tested with the antibodies diluted 1:10 or 1:20 times. Image from verified customer review.



## Publications

Liu CH, Ren J, Liu PK. Amphetamine manipulates monoamine oxidase-A level and behavior using theranostic aptamers of transcription factors AP-1/NF-kB J. Biomed. Sci. 2016-02-04 [PMID: 26841904] (WB, Mouse)





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### **Products Related to NBP1-59569**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-87493PEP	Monoamine Oxidase B Recombinant Protein Antigen

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### **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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