

# 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**

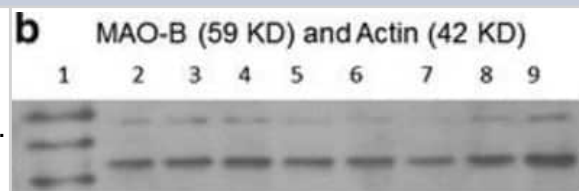
Monoamine Oxidase B Antibody - BSA Free

Product Information	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS, 2% Sucrose
<b>Target Molecular Weight</b>	59 kDa
Product Description	
<b>Description</b>	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.
<b>Host</b>	Rabbit
<b>Gene ID</b>	4129
<b>Gene Symbol</b>	MAOB
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 26841904).
<b>Marker</b>	Mitochondrial Outer Membrane Marker
<b>Immunogen</b>	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	
<b>Applications</b>	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1.0 ug/ml, Simple Western, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
<b>Application Notes</b>	Monoamine Oxidase B Antibody validated for Simple Western from a verified customer review. See <a href="#">Simple Western Antibody Database</a> for Simple Western validation

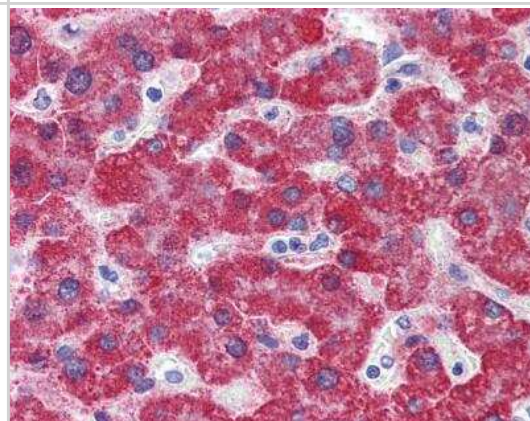


## Images

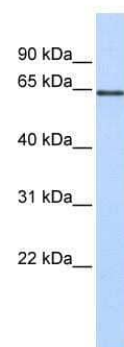
Western Blot: Monoamine Oxidase B Antibody [NBP1-59569] - Mice were pretreated with 5ECdsAP1 aptamer before amphetamine application; tissue samples collected (n = 4 per group) from the VTA at 90 (60 + 30 min) and 180 (60 + 30 + 90 min) minutes after amphetamine. Protein was obtained for Western blot 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.



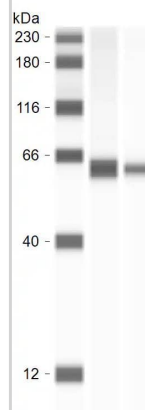
Immunohistochemistry-Paraffin: Monoamine Oxidase B Antibody [NBP1-59569] - Human Liver tissue.



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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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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