

# Product Datasheet

## Monoamine Oxidase B Antibody NB100-2826

Unit Size: 0.1 mg

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

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### Publications: 1

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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). |

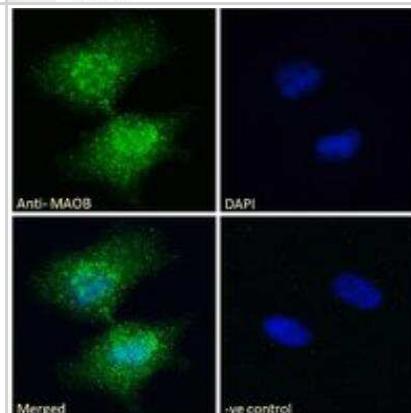


## Images

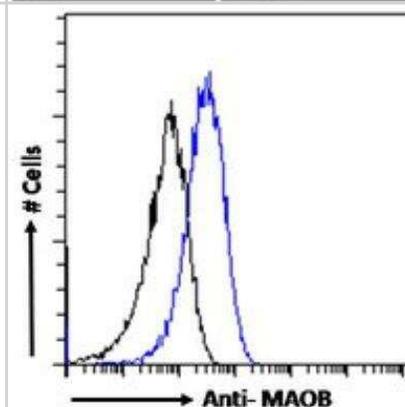
Western Blot: Monoamine Oxidase B Antibody [NB100-2826] - Staining of Mouse Liver lysate (35 ug protein in RIPA buffer). Antibody at 0.1 ug/mL. Detected by chemiluminescence.

250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
25kDa  
20kDa  
15kDa

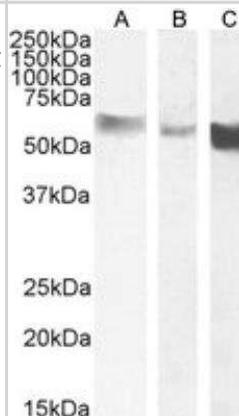
Immunocytochemistry/Immunofluorescence: Monoamine Oxidase B Antibody [NB100-2826] - Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing nuclear and cytoplasmic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

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|                 |                                                                        |
|-----------------|------------------------------------------------------------------------|
| 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                                               |

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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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