

Anti-Monoamine Oxidase B/MAOB antibody [EPR24131-79] ab259928

重组 RabMAb

1 References [5 图像](#)

概述

产品名称	Anti-Monoamine Oxidase B/MAOB抗体[EPR24131-79]
描述	兔单克隆抗体[EPR24131-79] to Monoamine Oxidase B/MAOB
宿主	Rabbit
经测试应用	适用于: WB, IP, IHC-P 不适用于: Flow Cyt (Intra), ICC/IF or IHC-Fr
种属反应性	与反应: Mouse, Rat
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Mouse brain and liver tissue lysates; Rat brain and liver tissue lysate; E.coli extracts containing his-tagged mouse Amine oxidase [flavin-containing] B recombinant protein (aa 2-489). IHC-P: Mouse liver; Rat liver. IP: Mouse liver tissue lysate.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.01% Sodium azide Constituents: 59.94% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆

克隆编号

EPR24131-79

同种型

IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用 ab259928 于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/1000. Predicted molecular weight: 59 kDa.
IP		1/30.
IHC-P		1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

应用说明

Is unsuitable for Flow Cyt (Intra), ICC/IF or IHC-Fr.

靶标

功能

Catalyzes the oxidative deamination of biogenic and xenobiotic amines and has important functions in the metabolism of neuroactive and vasoactive amines in the central nervous system and peripheral tissues. MAOB preferentially degrades benzylamine and phenylethylamine.

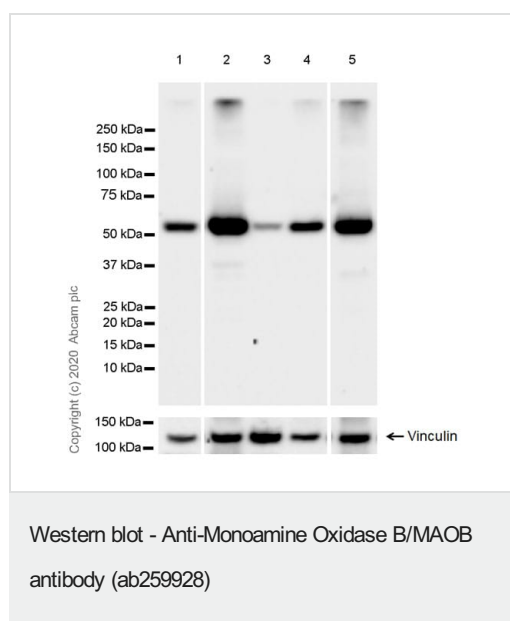
序列相似性

Belongs to the flavin monoamine oxidase family.

细胞定位

Mitochondrion outer membrane.

图片



All lanes : Anti-Monoamine Oxidase B/MAOB antibody [EPR24131-79] (ab259928) at 1/1000 dilution

Lane 1 : Mouse brain tissue lysate

Lane 2 : Mouse liver tissue lysate

Lane 3 : Mouse testis tissue lysate

Lane 4 : Rat brain tissue lysate

Lane 5 : Rat liver tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/50000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 59 kDa

Observed band size: 59 kDa

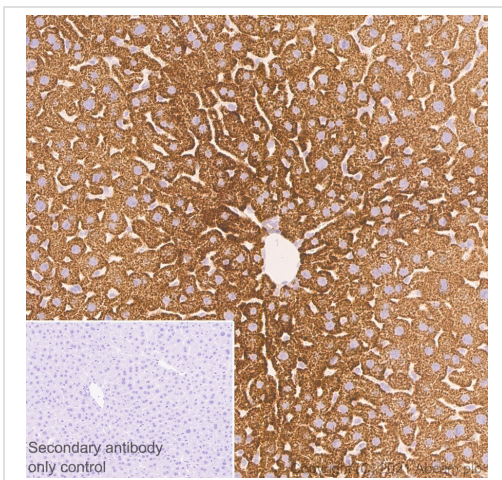
Blocking and diluting buffer and concentration: 5% NFDN/TBST

The expression profile observed is consistent with what has been described in the literature (PMID: 8058968).

Low expression: mouse testis.

Protein aggregates may be caused by boiling of samples .

Exposure time: 15 seconds

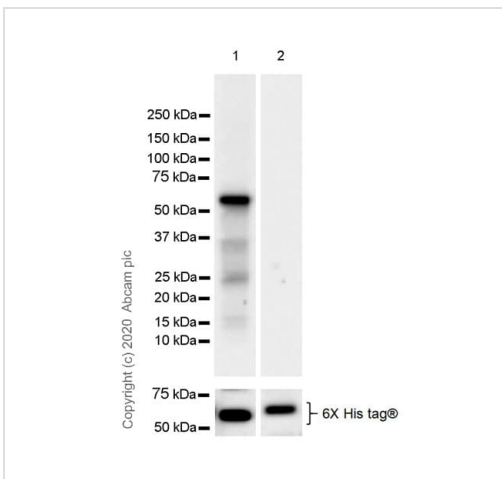


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - (ab259928)

Immunohistochemical analysis of paraffin-embedded Mouse liver tissue labeling Monoamine Oxidase B with ab259928 at 1/1000 dilution followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Cytoplasm staining on mouse liver. The section was incubated with ab259928 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection) was used.

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins



Western blot - Anti-Monoamine Oxidase B/MAOB antibody (ab259928)

All lanes : Anti-Monoamine Oxidase B/MAOB antibody [EPR24131-79] (ab259928) at 1/1000 dilution

Lane 1 : E.coli extracts containing his-tagged mouse Amine oxidase flavin-containi B recombinant protein (aa 2-489) at 10 µl

Lane 2 : E.coli extracts containing his-tagged mouse Amine oxidase flavin-containi A recombinant protein (aa 1-497) at 4 µl

Secondary

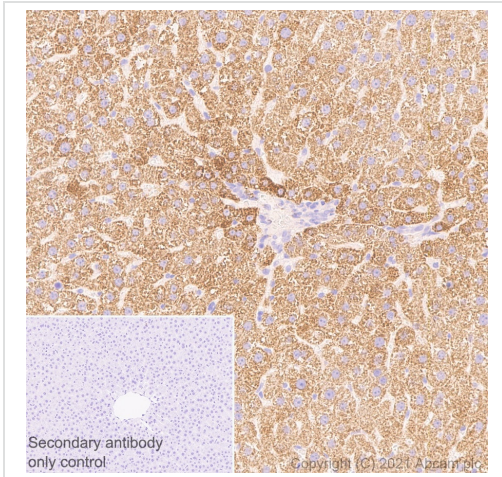
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/50000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 59 kDa

Blocking and diluting buffer and concentration: 5% NFD/DM/TBST

Samples are non-boiled as boiling may cause protein aggregates.

Exposure time: 15 seconds

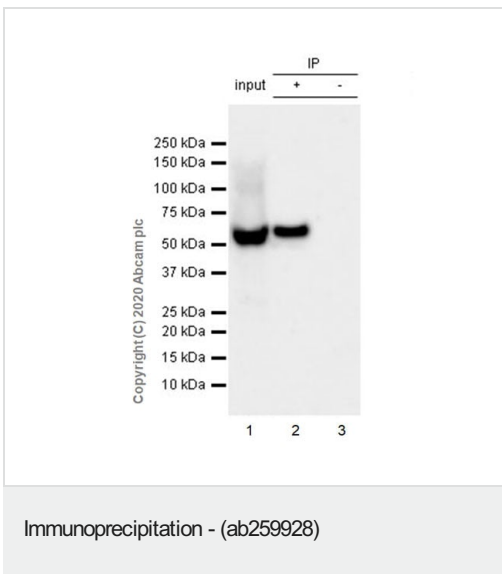


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - (ab259928)

Immunohistochemical analysis of paraffin-embedded Rat liver tissue labeling Monoamine Oxidase B with ab259928 at 1/1000 dilution followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Cytoplasm staining on rat liver. The section was incubated with ab259928 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection) was used.

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins



Immunoprecipitation - (ab259928)

Monoamine Oxidase B was immunoprecipitated from 0.35 mg Mouse liver tissue lysate 10 ug with ab259928 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab259928 at 1/2000 dilution. VeriBlot for IP Detection Reagent (HRP)([ab131366](#)) was used at 1/5000 dilution.

Lane 1: Mouse liver tissue lysate 10 ug

Lane 2: ab259928 IP in Mouse liver tissue lysate

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab259928 in mouse liver tissue lysate

Blocking and dilution buffer and concentration: 5% NFD/DM/TBST.

Exposure time: 32 seconds

Sample loaded onto lane 1 are non-boiled as boiling may cause protein aggregates.

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