

## Product datasheet

# HRP Anti-Monoamine Oxidase A/MAO-A antibody [EPR7101] ab200928

**リコンピナント RabMAb®****1 References** 画像数 3

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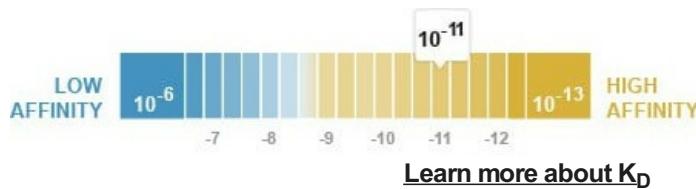
**製品の概要**

製品名	HRP Anti-Monoamine Oxidase A/MAO-A antibody [EPR7101]
製品の詳細	HRP Rabbit monoclonal [EPR7101] to Monoamine Oxidase A/MAO-A
由来種	Rabbit
標識	HRP
アプリケーション	適用あり: WB, IHC-P
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: HepG2 whole cell lysate and Human Fetal Liver tissue lysate. IHC-P: normal human kidney tissue sections
特記事項	Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb® patents</a> .

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**製品の特性**

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Store In the Dark.
解離定数 ( $K_D$ 値)	$K_D = 5.10 \times 10^{-11} \text{ M}$

**パッファー**

pH: 7.40  
Preservative: 0.1% Proclin 300 Solution  
Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% BSA

精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR7101
アイソタイプ	IgG

## アプリケーション

### The Abpromise guarantee

**Abpromise保証は、次のテスト済みアプリケーションにおけるab200928の使用に適用されます**

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/5000. Detects a band of approximately 60 kDa (predicted molecular weight: 60 kDa).
IHC-P		1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## ターゲット情報

**機能** 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. MAOA preferentially oxidizes biogenic amines such as 5-hydroxytryptamine (5-HT), norepinephrine and epinephrine.

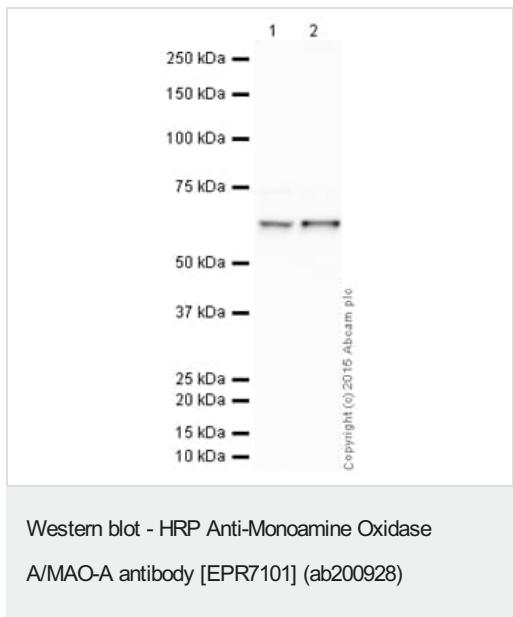
**組織特異性** Heart, liver, duodenum, blood vessels and kidney.

**関連疾患** Defects in MAOA are the cause of Brunner syndrome (BRUNS) [MIM:300615]. Brunner syndrome is a form of X-linked non-dysmorphic mild mental retardation. Male patients are affected by a syndrome of borderline mental retardation and exhibit abnormal behavior, including disturbed regulation of impulsive aggression. Obligate female carriers have normal intelligence and behavior.

**配列類似性** Belongs to the flavin monoamine oxidase family.

**細胞内局在** Mitochondrion outer membrane.

## 画像



**All lanes :** HRP Anti-Monoamine Oxidase A/MAO-A antibody [EPR7101] (ab200928) at 1/5000 dilution

**Lane 1 :** HepG2 (Human hepatocellular liver carcinoma cell line)  
Whole Cell Lysate

**Lane 2 :** Liver (Human) Tissue Lysate - fetal tissue

Lysates/proteins at 10 µg per lane.

Developed using the ECL technique.

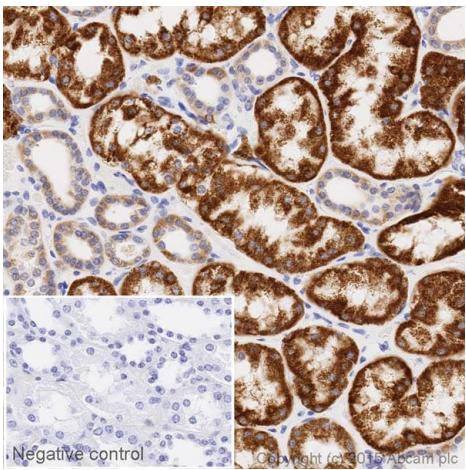
Performed under reducing conditions.

**Predicted band size:** 60 kDa

**Observed band size:** 60 kDa

**Exposure time:** 1 minute

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab200928 overnight at 4°C. Antibody binding was visualised using ECL development solution [ab133406](#).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - HRP Anti-Monoamine Oxidase A/MAO-A antibody [EPR7101] (ab200928)

IHC image of Monoamine Oxidase A/MAO-A staining in a section of formalin-fixed paraffin-embedded normal human kidney\*, performed on a Leica BOND. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab200928, 1/100 dilution, for 15 mins at room temperature. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. The inset negative control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

\*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre

#### Why choose a recombinant antibody?



Research with confidence  
Consistent and reproducible results



Long-term and scalable supply  
Recombinant technology



Success from the first experiment  
Confirmed specificity



Ethical standards compliant  
Animal-free production

HRP Anti-Monoamine Oxidase A/MAO-A antibody  
[EPR7101] (ab200928)

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