

Product datasheet

Anti-ADH5 antibody [EPR12885(B)] ab177932

Recombinant RabMAb

★★★★★ [3 Abreviews](#) [3 References](#) [7 Images](#)

Overview

Product name	Anti-ADH5 antibody [EPR12885(B)]
Description	Rabbit monoclonal [EPR12885(B)] to ADH5
Host species	Rabbit
Specificity	The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt, ICC/IF or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human ADH5 aa 1-100. The exact sequence is proprietary. Database link: P11766
Positive control	WB: Human liver, Mouse liver, Human fetal liver, HepG2, Human fetal kidney, SH-SY5Y, Mouse brain, Rat liver, and Rat brain lysates. IHC-P: human kidney tissue.
General notes	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 .

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal

Clone number EPR12885(B)
Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab177932 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (2)	1/1000 - 1/5000. Predicted molecular weight: 40 kDa.
IHC-P		1/8000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat. See <u>IHC antigen retrieval protocols</u>. For unpurified use at 1/50-1/100

Application notes Is unsuitable for Flow Cyt, ICC/IF or IP.

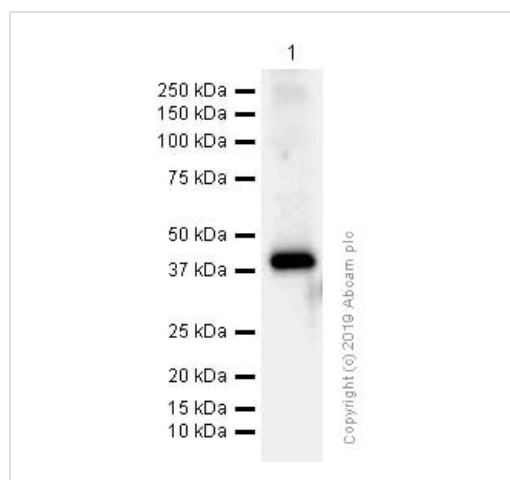
Target

Function Class-III ADH is remarkably ineffective in oxidizing ethanol, but it readily catalyzes the oxidation of long-chain primary alcohols and the oxidation of S-(hydroxymethyl) glutathione.

Sequence similarities Belongs to the zinc-containing alcohol dehydrogenase family. Class-III subfamily.

Cellular localization Cytoplasm.

Images



Anti-ADH5 antibody [EPR12885(B)] (ab177932) at 1/5000 dilution
(Purified) + Human liver lysates at 15 µg

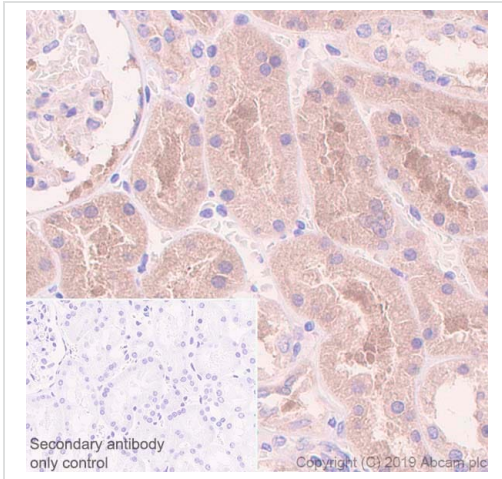
Secondary

Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 40 kDa

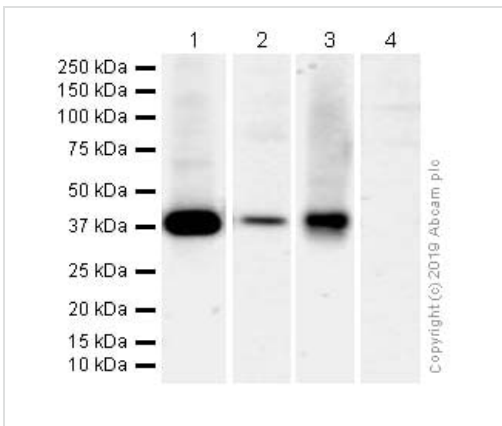
Observed band size: 40 kDa

Western blot - Anti-ADH5 antibody [EPR12885(B)]
(ab177932)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ADH5 antibody [EPR12885(B)] (ab177932)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human kidney tissue sections labeling ADH5 with purified ab177932 at 1/8000 dilution (0.06 µg/ml). Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Western blot - Anti-ADH5 antibody [EPR12885(B)] (ab177932)

All lanes : Anti-ADH5 antibody [EPR12885(B)] (ab177932) at 1/5000 dilution (Purified)

Lane 1 : Mouse liver lysates

Lane 2 : Mouse brain lysates

Lane 3 : Rat liver lysates

Lane 4 : Rat brain lysates

Lysates/proteins at 15 µg per lane.

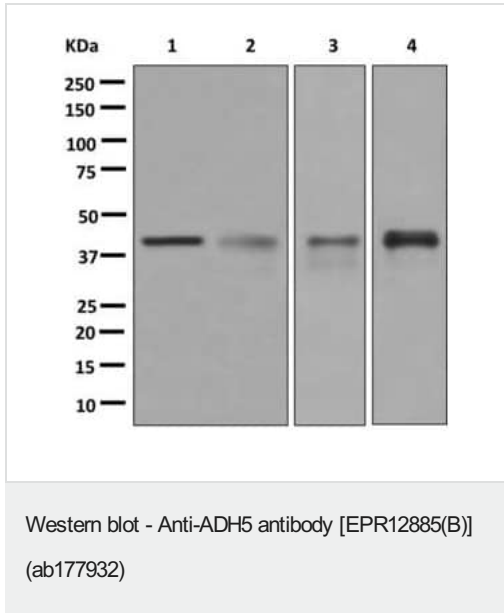
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 40 kDa

Observed band size: 40 kDa

ADH5 is highly expressed in liver, kidney and low expressed in brain as is described in PMID: 26412304



All lanes : Anti-ADH5 antibody [EPR12885(B)] (ab177932) at 1/1000 dilution ((unpurified))

Lane 1 : Human fetal liver lysates

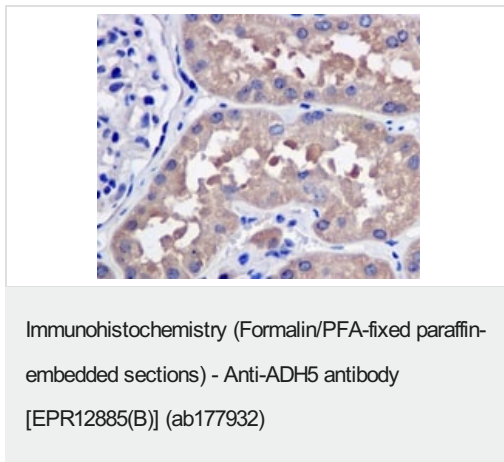
Lane 2 : HepG2 lysates

Lane 3 : Human fetal kidney lysates

Lane 4 : SH-SY5Y lysates

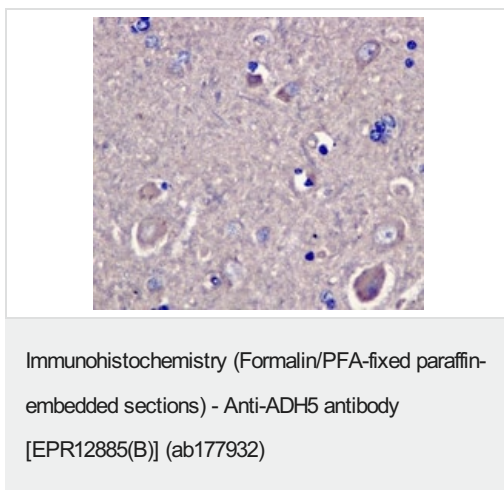
Lysates/proteins at 10 µg per lane.

Predicted band size: 40 kDa



Immunohistochemical analysis of paraffin-embedded Human kidney tissue labeling ADH5 with unpurified ab177932 at a 1/50 dilution.





Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemical analysis of paraffin-embedded Human brain tissue labeling ADH5 with unpurified ab177932 at a 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-ADH5 antibody [EPR12885(B)] (ab177932)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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