

Product datasheet

Anti-APLP2 antibody [EPR5938(2)] ab140624

Recombinant RabMAb

★★★★★ [1 Abreviews](#) [1 References](#) [5 Images](#)

Overview

Product name	Anti-APLP2 antibody [EPR5938(2)]
Description	Rabbit monoclonal [EPR5938(2)] to APLP2
Host species	Rabbit
Specificity	This antibody detects isoforms in some cell lines. The mouse recommendation is based on the WB results. We do not guarantee IHC-P for mouse.
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human APLP2 aa 200-300. The exact sequence is proprietary. Database link: Q06481
Positive control	WB: HEK293 cell lysate, and Mouse brain and Rat brain tissue lysates. IHC-P: Human breast carcinoma, Rat cerebrum, and Human cerebrum tissues.
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	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR5938(2)
Isotype	IgG

Applications

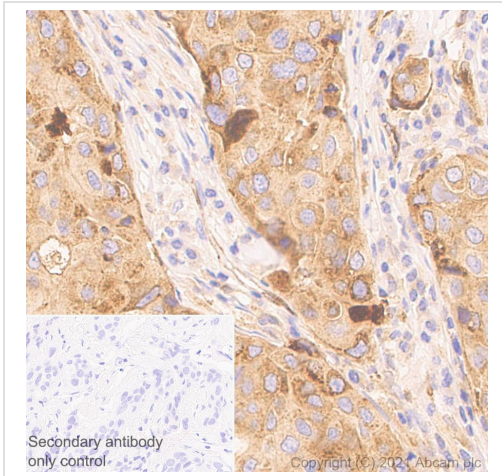
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab140624 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. The mouse recommendation is based on the WB results. We do not guarantee IHC-P for mouse. We recommend a dilution of 1/500 for human, 1/2000 for rat. For unpurified use at 1/100 - 1/250.
WB	★ ★ ★ ★ ★ (1)	1/10000 - 1/50000. Detects a band of approximately 90-120 kDa (predicted molecular weight: 87 kDa). ab140624 detects isoforms in some cell lines

Target

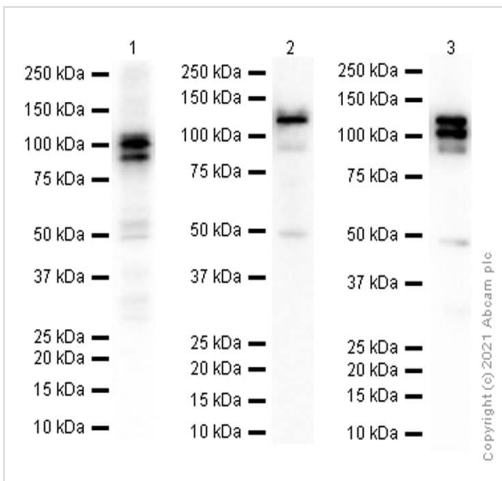
Function	May play a role in the regulation of hemostasis. The soluble form may have inhibitory properties towards coagulation factors. May interact with cellular G-protein signaling pathways. May bind to the DNA 5'-GTCACATG-3'(CDEI box). Inhibits trypsin, chymotrypsin, plasmin, factor XIA and plasma and glandular kallikrein.
Tissue specificity	Expressed in placenta, brain, heart, lung, liver, kidney and endothelial tissues.
Sequence similarities	Belongs to the APP family. Contains 1 BPTI/Kunitz inhibitor domain.
Post-translational modifications	The BPTI/Kunitz inhibitor domain is O-glycosylated.
Cellular localization	Cell membrane. Nucleus.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-APLP2 antibody [EPR5938(2)] (ab140624)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma tissue sections labeling APLP2 with purified ab140624 at 1:500 (0.188 µg/ml). Heat mediated antigen retrieval was performed using Bond™ Epitope Retrieval Solution 2 (pH 9.0). Tissue was counterstained with Hematoxylin. LeicaDS9800 (Bond™ Polymer Refine Detection) was used as a reporter at 1:0 dilution. PBS instead of the primary antibody was used as the negative control. The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



Western blot - Anti-APLP2 antibody [EPR5938(2)] (ab140624)

All lanes : Anti-APLP2 antibody [EPR5938(2)] (ab140624) at 1/10000 dilution (Purified)

Lane 1 : HEK-293 (Human embryonic kidney epithelial cell) whole cell lysate

Lane 2 : Mouse brain lysate

Lane 3 : Rat brain lysate

Lysates/proteins at 15 µg per lane.

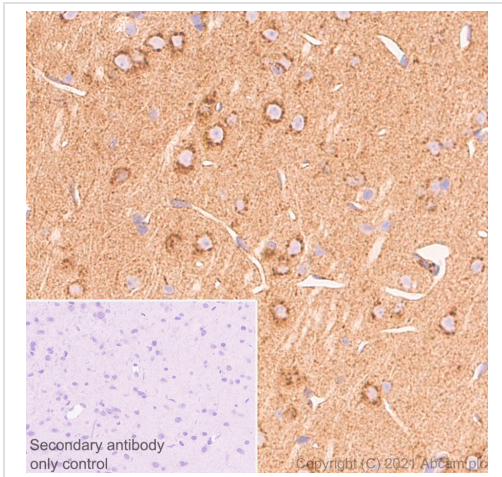
Secondary

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

Predicted band size: 87 kDa

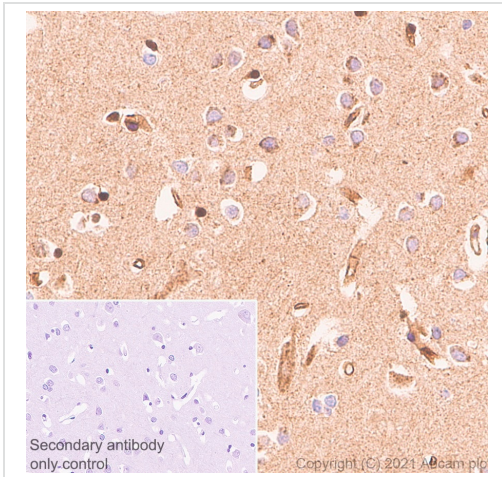
Observed band size: 90-120 kDa

The molecular weight observed is consistent with what has been described in the literature (PMID: 16279945).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-APLP2 antibody [EPR5938(2)] (ab140624)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat cerebrum tissue sections labeling APLP2 with purified ab140624 at 1:2000 (0.047 $\mu\text{g}/\text{ml}$). Heat mediated antigen retrieval was performed using Bond™ Epitope Retrieval Solution 2 (pH 9.0). Tissue was counterstained with Hematoxylin. LeicaDS9800 (Bond™ Polymer Refine Detection) was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control. The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-APLP2 antibody [EPR5938(2)] (ab140624)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human cerebrum tissue sections labeling APLP2 with purified ab140624 at 1:500 (0.188 $\mu\text{g}/\text{ml}$). Heat mediated antigen retrieval was performed using Bond™ Epitope Retrieval Solution 2 (pH 9.0). Tissue was counterstained with Hematoxylin. LeicaDS9800 (Bond™ Polymer Refine Detection) was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control. The immunostaining was performed on a Leica Biosystems BOND® RX instrument.

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

Anti-APLP2 antibody [EPR5938(2)] (ab140624)

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

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