




Product datasheet

Anti-MPP5/Pals1 antibody ab224219

1 Image

Overview

Product name	Anti-MPP5/Pals1 antibody
Description	Rabbit polyclonal to MPP5/Pals1
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Orangutan 
Immunogen	Recombinant fragment corresponding to Human MPP5/Pals1 aa 50-250. Database link: Q8N3R9  Run BLAST with  Run BLAST with
Positive control	IHC-P: Human fallopian tube tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

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: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

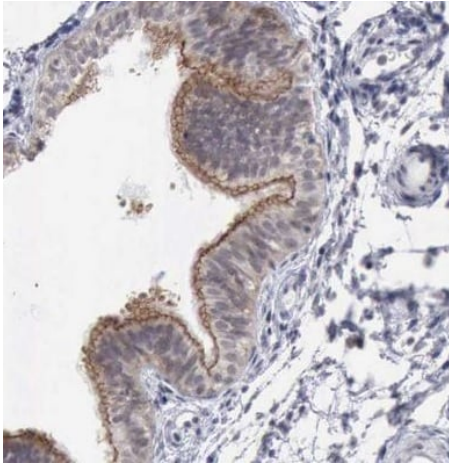
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab224219 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function	May play a role in tight junctions biogenesis and in the establishment of cell polarity in epithelial cells. May modulate SC6A1/GAT1-mediated GABA uptake by stabilizing the transporter. Required for localization of EZR to the apical membrane of parietal cells and may play a role in the dynamic remodeling of the apical cytoskeleton.
Tissue specificity	Expressed in the retina (at protein level).
Sequence similarities	Belongs to the MAGUK family. Contains 1 guanylate kinase-like domain. Contains 2 L27 domains. Contains 1 PDZ (DHR) domain. Contains 1 SH3 domain.
Domain	The L27 domain 1 functions in targeting to the tight junctions by binding to INADL. The PDZ domain binds to the C-terminus of SC6A1.
Cellular localization	Cell membrane. Endomembrane system. Cell junction > tight junction. Localized to the tight junctions of epithelial cells and a subset of intracellular vesicles. In the retina, detected at the outer limiting membrane (OLM), apical to the adherens junction (AJ), where it colocalizes with CRB1. Colocalizes with MPP1 in the retina at the outer limiting membrane (OLM). Localized to the Purkinje cell body and axon.

Images



Paraffin-embedded human fallopian tube tissue stained for MPP5/Pals1 using ab224219 at 1/200 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MPP5/Pals1 antibody (ab224219)

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

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