



Anti-PREX1 antibody ab223698

5 Images

Overview

Product name	Anti-PREX1 antibody
Description	Rabbit polyclonal to PREX1
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human PREX1 aa 700-900. Database link: Q8TCU6
	<div>  Run BLAST with </div> <div>  Run BLAST with </div>
Positive control	IHC-P: Human hippocampus, lymph node and small intestine tissues. ICC/IF: A431 cells.
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 ab223698 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
ICC/IF		Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.
IHC-P		1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function

Functions as a RAC guanine nucleotide exchange factor (GEF), which activates the Rac proteins by exchanging bound GDP for free GTP. Its activity is synergistically activated by phosphatidylinositol-3,4,5-triphosphate and the beta gamma subunits of heterotrimeric G protein. May function downstream of heterotrimeric G proteins in neutrophils.

Tissue specificity

Mainly expressed in peripheral blood leukocytes and brain. Expressed at intermediate level in spleen and lymph nodes, and weakly expressed in other tissues.

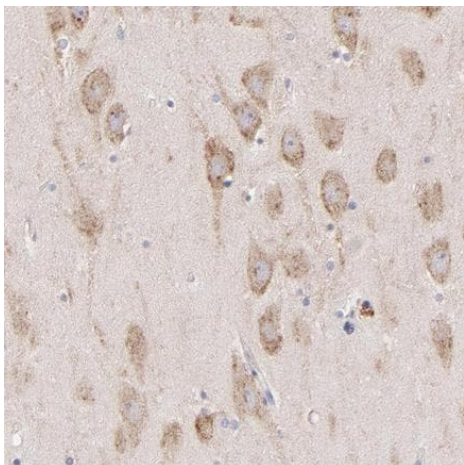
Sequence similarities

Contains 1 DEP domain.
Contains 1 DH (DBL-homology) domain.
Contains 1 PDZ (DHR) domain.
Contains 2 PH domains.

Cellular localization

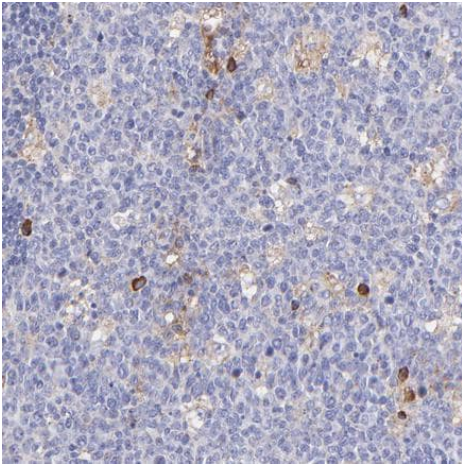
Cytoplasm > cytosol. Cell membrane. Mainly cytosolic. Some amount is apparently associated to the plasma membrane.

Images



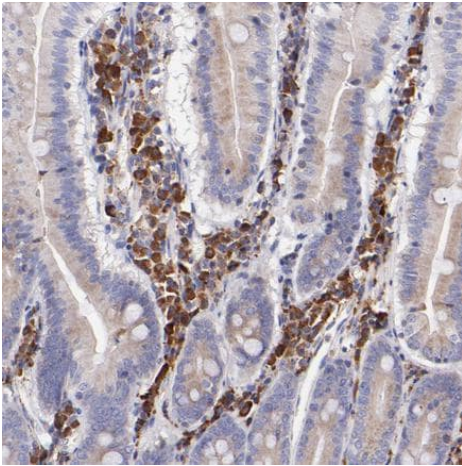
Paraffin-embedded human hippocampus tissue stained for PREX1 using ab223698 at 1/200 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PREX1 antibody (ab223698)



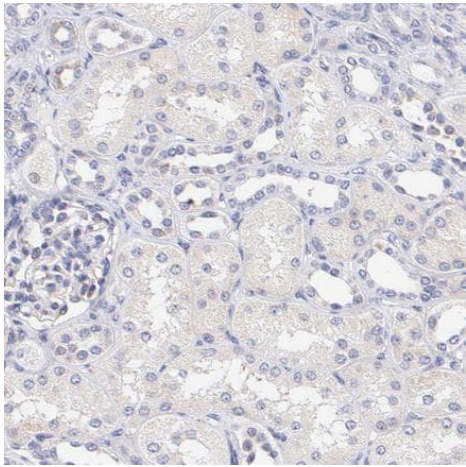
Paraffin-embedded human lymph node tissue stained for PREX1 using ab223698 at 1/200 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PREX1 antibody (ab223698)



Paraffin-embedded human small intestine tissue stained for PREX1 using ab223698 at 1/200 dilution in immunohistochemical analysis.

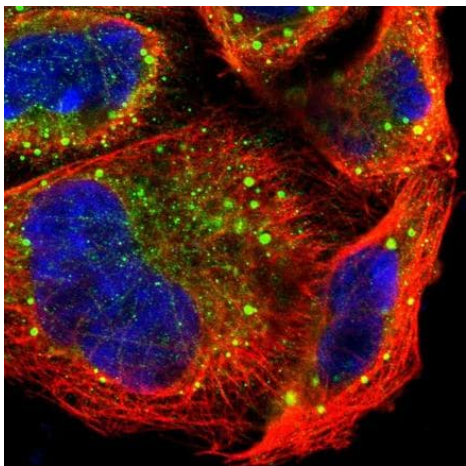
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PREX1 antibody (ab223698)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PREX1 antibody (ab223698)

Paraffin-embedded human kidney tissue stained for PREX1 using ab223698 at 1/200 dilution in immunohistochemical analysis.

Negative control - no staining.



Immunocytochemistry/ Immunofluorescence - Anti-PREX1 antibody (ab223698)

PFA-fixed, Triton X-100 permeabilized A431 (human epidermoid carcinoma cell line) cells stained for PREX1 (green) using ab223698 at 4 µg/ml in ICC/IF.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors