




Anti-PREX2 antibody ab169027

[5 References](#) [1 Image](#)

Overview

Product name	Anti-PREX2 antibody
Description	Mouse polyclonal to PREX2
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Recombinant full length protein within Human PREX2 aa 1-1000. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. Database link: Q70Z35  Run BLAST with  Run BLAST with
Positive control	PREX2 transfected 293T cell line lysate
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.
Storage buffer	pH: 7.4 Constituent: 100% PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab169027 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		Use a concentration of 1 µg/ml. Predicted molecular weight: 112 kDa.

Target

Function

Functions as a RAC1 guanine nucleotide exchange factor (GEF), activating 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. Mediates the activation of RAC1 in a PI3K-dependent manner. May be an important mediator of Rac signaling, acting directly downstream of both G protein-coupled receptors and phosphoinositide 3-kinase.

Tissue specificity

Isoform 1 is highly expressed in skeletal muscle, heart and placenta, absent from peripheral blood leukocytes. Isoform 2 is expressed in skeletal muscle, kidney, small intestine, and placenta. Isoform 3 is expressed in the heart.

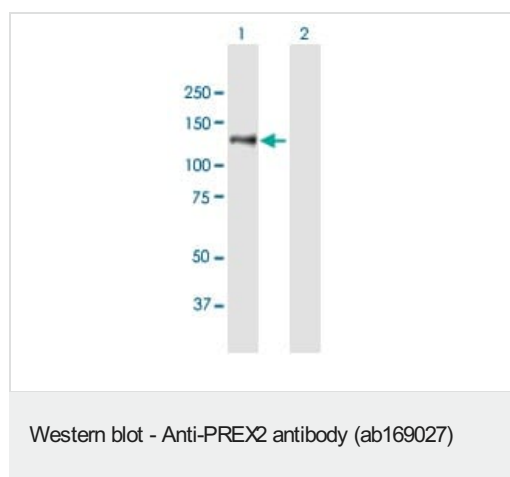
Sequence similarities

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

Domain

PH domain confers substrate specificity and recognition. Able to discriminate between RAC1, RHOA, and CDC42.
DH domain alone was unable to confer substrate specificity and recognition.

Images



All lanes : Anti-PREX2 antibody (ab169027) at 1 µg/ml

Lane 1 : PREX2 transfected 293T cell line lysate

Lane 2 : Non-transfected 293T cell line lysate

Lysates/proteins at 15 µl per lane.

Predicted band size: 112 kDa

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