

Anti-PREX1 Antibody (C-term)

Catalog Number: A03098-1

About PREX1

The protein encoded by this gene acts as a guanine nucleotide exchange factor for the RHO family of small GTP-binding proteins (RACs). It has been shown to bind to and activate RAC1 by exchanging bound GDP for free GTP. The encoded protein, which is found mainly in the cytoplasm, is activated by phosphatidylinositol-3,4,5-trisphosphate and the beta-gamma subunits of heterotrimeric G proteins.

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Overview

Product Name	Anti-PREX1 Antibody (C-term)
Reactive Species	Human
Description	Boster Bio Anti-PREX1 Antibody (C-term) (Catalog # A03098-1). Tested in IHC-P, WB, Flow Cytometry application(s). This antibody reacts with Human.
Application	Flow Cytometry, IHC-P, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q8TCU6

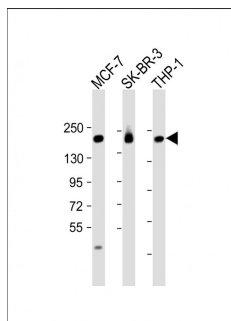
Technical Details

Immunogen	This PREX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1134-1163 amino acids from the C-terminal region of human PREX1.
Predicted Reactive Species	Mouse
Isotype	Rabbit IgG
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.

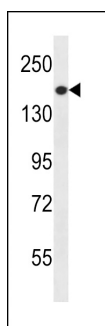
Suggested Dilutions

WB: 1:1000
IHC-P: 1:10-1:50
FC: 1:25

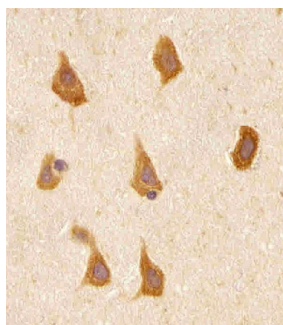
Anti-PREX1 Antibody (C-term) (A03098-1) Images



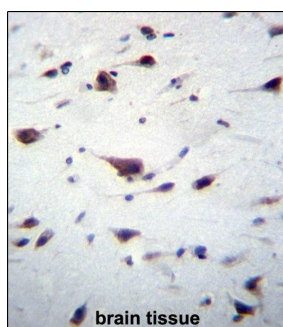
All lanes : Anti-PREX1 Antibody (C-term) at 1:2000 dilution
Lane 1: MCF-7 whole cell lysate
Lane 2: SK-BR-3 whole cell lysate
Lane 3: THP-1 whole cell lysate
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 186 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.



PREX1 Antibody (C-term) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the PREX1 antibody detected the PREX1 protein (arrow).

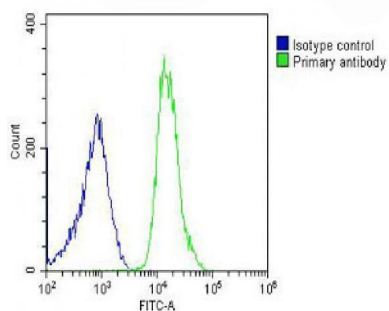


A03098-1 staining PREX1 in human brain tissue sections by Immunohistochemistry (IHC-P -paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hour at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



PREX1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PREX1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Overlay histogram showing U-2OS cells stained with A03098-1 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (A03098-1, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated



Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37°C.
Isotype control antibody (blue line) was rabbit IgG
(1g/1x10⁶ cells) used under the same conditions.
Acquisition of >10, 000 events was performed.

Anti-PREX1 Antibody (C-term)

For Research Use Only. Not for use in diagnostic procedures.