

For Research Use Only

PREX1 Polyclonal antibody

Catalog Number: 33193-1-AP



Basic Information

Catalog Number:

33193-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG36649

GenBank Accession Number:

NM_020820.3

GeneID (NCBI):

57580

UNIPROT ID:

Q8TCU6

Full Name:

phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1

Calculated MW:

186 kDa

Observed MW:

186 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:1000-1:8000

IF/ICC: 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB: MCF-7 cells,

IF/ICC: MCF-7 cells,

Background Information

Phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein (PREX1) is a guanine nucleotide exchange factor (GEF) that specifically activates Rac GTPases, particularly Rac1 (PMID: 16243035). PREX1 is activated downstream of G protein-coupled receptors (GPCRs) and receptor tyrosine kinases (RTKs), such as ErbB receptors, and is involved in PI3K/AKT and MAPK signaling pathways (PMID: 28710285; 27358402). It contributes to glucose uptake in adipocytes and promotes tumor cell proliferation, migration, and metastasis in various cancers, including breast, prostate, and melanoma (PMID: 22109529).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

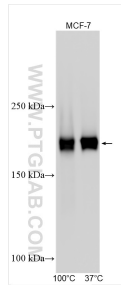
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

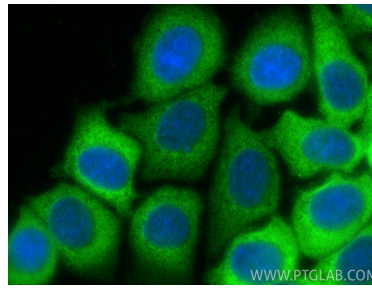
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33193-1-AP (PREX1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using PREX1 antibody (33193-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).