

For Research Use Only

# PREX1 Polyclonal antibody, PBS Only

Catalog Number: 33193-1-PBS



## Basic Information

Catalog Number:

33193-1-PBS

Concentration:

1 mg/ml

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

## Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human

## 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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

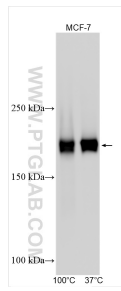
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

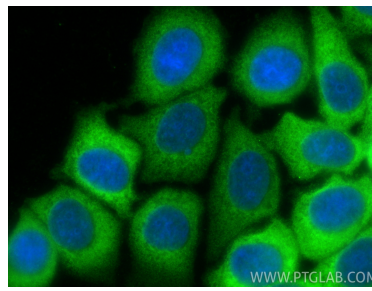
W: [ptgcn.com](http://ptgcn.com)

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## 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. This data was developed using the same antibody clone with 33193-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 33193-1-PBS in a different storage buffer formulation.