

For Research Use Only

# PREX1 Polyclonal antibody, PBS Only

Catalog Number: 33193-1-PBS



## Basic Information

**Catalog Number:**

33193-1-PBS

**Size:**

100ug, Concentration: 1 mg/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

## 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.

**Storage Buffer:**

PBS only, pH7.3

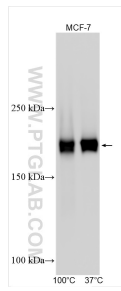
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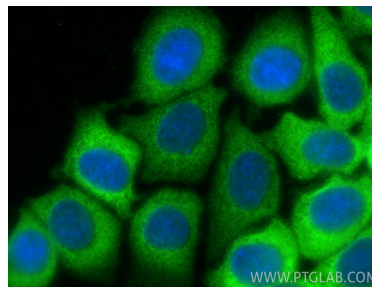
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## Selected Validation Data



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.