

For Research Use Only

PREX1 Polyclonal antibody

Catalog Number: 33193-1-AP



Basic Information

Catalog Number: 33193-1-AP	GenBank Accession Number: NM_020820.3	Purification Method: Antigen affinity Purification
Concentration: 400 ug/ml	GeneID (NCBI): 57580	Recommended Dilutions: WB: 1:1000-1:8000 IF/ICC: 1:200-1:800
Source: Rabbit	UNIPROT ID: Q8TCU6	
Isotype: IgG	Full Name: phosphatidylinositol-3,4,5- trisphosphate-dependent Rac exchange factor 1	
Immunogen Catalog Number: AG36649	Calculated MW: 186 kDa	
	Observed MW: 186 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : MCF-7 cells, IF/ICC : MCF-7 cells,
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 -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

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

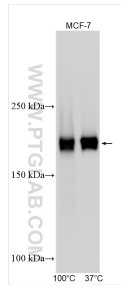
T: 4006900926

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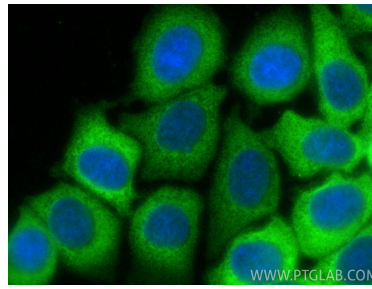
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Selected Validation Data



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.



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).