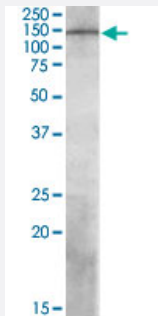


PREX1 polyclonal antibody

Catalog # PAB17234 Size 100 ug

Applications



Western Blot (Tissue lysate)

PREX1 polyclonal antibody (Cat # PAB17234) (1 ug/mL) staining of human temporal cortex lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of PREX1.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human PREX1.
Sequence	C-ERSNLPTDASTTA
Host	Goat
Theoretical MW (kDa)	186
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:16000) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

PREX1 polyclonal antibody (Cat # PAB17234) (1 ug/mL) staining of human temporal cortex lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PREX1

Entrez GeneID[57580](#)**Protein Accession#**[NP_065871.2](#)**Gene Name**

PREX1

Gene Alias

KIAA1415, P-REX1

Gene Description

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

Omim ID[606905](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

OTTHUMP00000031228|phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1

Publication Reference

- [Upregulation of PIP3-dependent Rac exchanger 1 \(P-Rex1\) promotes prostate cancer metastasis.](#)

Qin J, Xie Y, Wang B, Hoshino M, Wolff DW, Zhao J, Scofield MA, Dowd FJ, Lin MF, Tu Y.

Oncogene 2009 Mar; 28(16):1853.

Pathway

- [Chemokine signaling pathway](#)

Disease

- [Angina Pectoris](#)
- [Coronary Vasospasm](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Tobacco Use Disorder](#)