

Rabbit Anti-PREX1/AP Conjugated antibody

SL19671R-AP

Product Name	Anti-PREX1/AP
Chinese Name	碱性磷酸酶（AP）标记的 PREX1 蛋白抗体
Alias	5)-dependent Rac exchanger 1; KIAA1415; OTTHUMP00000031228; P REX1; P Rex1 protein like; P-Rex1; Phosphatidylinositol 3,4,5 trisphosphate dependent Rac exchange factor 1; Phosphatidylinositol 3,4,5 trisphosphate dependent Rac exchanger 1; Phosphatidylinositol 3,4,5 trisphosphate dependent Rac exchanger 1 protein; Phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein; Prex1; PREX1_HUMAN; PtdIns(3; PtdIns(3,4,5) dependent Rac exchanger 1; SET domain containing 6; Setd6
Research Area	Cell biology immunology Signal transduction
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse(predicted:Human,Rat,Dog)
Applications	IHC-P=1:100-500,IHC-F=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	186kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human PREX1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: 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, Jul 2008]

Function:

Functions as a RAC guanine nucleotide exchange factor (GEF), which activates the Rac proteins by exchanging bound GDP for free GTP. Its activity is synergistically activated by phosphatidylinositol-3,4,5-triphosphate and the beta gamma subunits of heterotrimeric G protein. May function downstream of heterotrimeric G proteins in neutrophils.

Subcellular Location:

Cytoplasm > cytosol. Cell membrane. Mainly cytosolic. Some amount is apparently associated to the plasma membrane.

Tissue Specificity:

Mainly expressed in peripheral blood leukocytes and brain. Expressed at intermediate level in spleen and lymph nodes, and weakly expressed in other tissues.

Similarity:

Contains 1 DEP domain.

Contains 1 DH (DBL-homology) domain.

Contains 1 PDZ (DHR) domain.

Contains 2 PH domains.

Database links:

[Entrez Gene: 57580](#) Human

[Entrez Gene: 277360](#) Mouse

[Entrez Gene: 311647](#) Rat

[Omim: 606905](#) Human

[SwissProt: Q8TCU6](#) Human

[SwissProt: Q69ZK0](#) Mouse

[Unigene: 153310](#) Human

[Unigene: 721980](#) Human

[Unigene: 34420](#) Mouse

[Unigene: 485065](#) Mouse

[Unigene: 224665](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.