

PREX1 Rabbit pAb

Catalog # AP98713

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8TCU6
Other Accession	Q8TCU6
Host	Rabbit
Clonality	Polyclonal
Calculated MW	186203
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PREX1
Epitope Specificity	1301-1400/1659
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 DEP domain. Contains 1 DH (DBL-homology) domain. Contains 1 PDZ (DHR) domain. Contains 2 PH domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	57580
Other Names	P-REX1; G630042G04; Setd6; RGD1306534; PREX1_HUMAN; PREX1; PtdIns(3, 4, 5)-dependent Rac exchanger 1; KIAA1415; PREX1_MOUSE; phosphatidylinositol-3, 4, 5-trisphosphate dependent Rac exchange factor 1; phosphatidylinositol-3, 4, 5-trisphosphate-dependent Rac exchange factor 1; PIP3 dependent Rac exchange factor 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	PREX1
Synonyms	KIAA1415
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-trisphosphate and the beta gamma subunits of heterotrimeric G protein. May function downstream of heterotrimeric G proteins in neutrophils.
Cellular Location	Cytoplasm, cytosol. Cell membrane. Note=Mainly cytosolic. Some amount is apparently associated to the plasma membrane
Tissue Location	Mainly expressed in peripheral blood leukocytes and brain. Expressed at intermediate level in spleen and lymph nodes, and weakly expressed in other tissues

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