



PREX1 Polyclonal Antibody

Catalog No	YP-Ab-05914
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	PREX1 KIAA1415
Immunogen	Synthesized peptide derived from human protein . at AA range: 340-420
Specificity	PREX1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	KIAA1415;P REX1;Phosphatidylinositol 3;4;5-trisphosphate-dependent Rac exchanger 1 protein;P-Rex1;PtdIns(3;5)-dependent Rac exchanger 1;PREX1; PREX1 KIAA1415;5-trisphosphate-dependent Rac exchanger 1 protein (P-Rex1) (PtdIns(3;5)-dependent Rac exchanger 1)
Observed Band	186 kDa
Calculated Molecular Weight	186 kDa
Cell Pathway	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.
Function	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.,similarity:Contains 1 DEP domain., similarity:Contains 1 DH (DBL-homology) domain.,similarity:Contains 1 PDZ (DHR) domain.,similarity:Contains 2 PH domains.,subcellular location:Mainly



cytosolic. Some amount is apparently associated to the plasma membrane.,
subunit:Interacts preferentially with RAC2 (By similarity). Interacts with RAC1.,
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expressed in other tissues.,

Background

phosphatidylinositol-3,4,5-trisphosphate dependent Rac exchange factor 1(PREX1) Homo sapiens 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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images