



Anti-PREX2 (aa 686-835) polyclonal antibody (DPABH-17987)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Functions as a RAC1 guanine nucleotide exchange factor (GEF), activating 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. Mediates the activation of RAC1 in a PI3K-dependent manner. May be an important mediator of Rac signaling, acting directly downstream of both G protein-coupled receptors and phosphoinositide 3-kinase.
Immunogen	antigen, corresponding to amino acids 686-835 of Human PREX2
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	IHC-P, ICC/IF
Format	Liquid
Size	100 µl
Buffer	pH: 7.20; Constituents: 59% PBS, 40% Glycerol
Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	PREX2 phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 3 [Homo sapiens]
Official Symbol	PREX2
Synonyms	PREX2; phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 2; DEP.2; DEPDC2; P-REX2; PPP1R129; 6230420N16Rik; phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 2 protein; DEP domain-containing protein 2; PtdIns(3,4,5)-dependent Rac exchanger 2; protein phosphatase 1, regulatory subunit 129;
Entrez Gene ID	80243
Protein Refseq	NP_079146.2
UniProt ID	Q70Z35
Pathway	Regulation of RAC1 activity;
Function	Rac GTPase activator activity; Rac guanyl-nucleotide exchange factor activity;