



# 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

<b>Antigen Description</b>	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.
<b>Immunogen</b>	antigen, corresponding to amino acids 686-835 of Human PREX2
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P, ICC/IF
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	pH: 7.20; Constituents: 59% PBS, 40% Glycerol
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

# GENE INFORMATION

Gene Name	<a href="#">PREX2 phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 3 [ Homo sapiens ]</a>
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	<a href="#">80243</a>
Protein Refseq	<a href="#">NP_079146.2</a>
UniProt ID	<a href="#">Q70Z35</a>
Pathway	Regulation of RAC1 activity;
Function	Rac GTPase activator activity; Rac guanyl-nucleotide exchange factor activity;