

Rabbit anti-Human PREX1 Polyclonal Antibody | anti-PREX1 antibody

PREX1 Antibody (C-term)

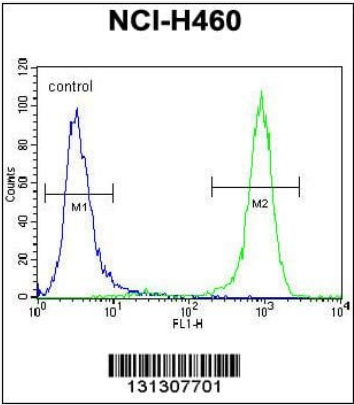
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287459	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

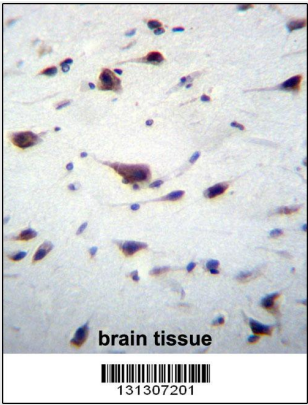
PREX1; Polyclonal Antibody; PREX1 Antibody (C-term); Phosphatidylinositol 3; 5-trisphosphate-dependent Rac exchanger 1 protein; P-Rex1; PtdIns(3; 5)-dependent Rac exchanger 1; KIAA1415; anti-PREX1 antibody

PRODUCT SPECIFICATIONS

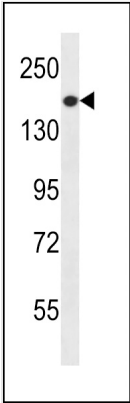
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PREX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1134-1163 amino acids from the C-terminal region of human PREX1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.42 (varies by lot)
Sequence Positions	1134-1163
Sequence Length	1659
Applicable Applications for anti-PREX1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
PREX1 Antibody (C-term) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
PREX1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PREX1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
PREX1 Antibody (C-term) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the PREX1 antibody detected the PREX1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PREX1 antibody	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.
Product Categories/Family for anti-PREX1 antibody	Cell Biology; Signal transduction
References	Lewis, J.P., et al. Genomics 96(4):211-219(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Nie, B., et al. Cell. Signal. 22(5):770-782(2010) Carretero-Ortega, J., et al. Mol. Pharmacol. 77(3):435-442(2010) Ledezma-Sanchez, B.A., et al. Biochem. Biophys. Res. Commun. 391(4):1647-1652(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	34452732
NCBI GeneID	57580

NCBI Accession #	NP_065871.2
NCBI GenBank Nucleotide #	NM_020820.3
UniProt Accession #	Q8TCU6 ; Q5JS95 ; Q5JS96 ; Q69YL2 ; Q7Z2L9 ; Q9BQH0 ; Q9BX55 ; Q9H4Q6 ; Q9P2D2 ; Q9UGQ4 ; E1P5X9
Molecular Weight	186203
NCBI Official Full Name	phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein
NCBI Official Synonym Full Names	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1
NCBI Official Symbol	PREX1
NCBI Official Synonym Symbols	P-REX1
NCBI Protein Information	phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein
UniProt Protein Name	Phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein
UniProt Gene Name	PREX1
UniProt Synonym Gene Names	KIAA1415; P-Rex1; PtdIns(3,4,5)-dependent Rac exchanger 1
UniProt Entry Name	PREX1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/prex1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/287459>