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PREX1 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP9461c

Specification

PREX1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q8TCU6

PREX1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 57580

Other Names
Phosphatidylinositol 3, 5-trisphosphate-dependent Rac exchanger 1 protein, P-Rex1, PtdIns(3, 5)-dependent Rac exchanger 1, PREX1, KIAA1415

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PREX1 Antibody (Center) Blocking Peptide - 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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PREX1 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

PREX1 Antibody (Center) Blocking Peptide - Images

PREX1 Antibody (Center) Blocking Peptide - Background

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.

PREX1 Antibody (Center) Blocking Peptide - References

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)Takefuji, M., et al. J. Hum. Genet. 55(1):42-49(2010)Qin, J., et al. Oncogene 28(16):1853-1863(2009)Waters, J.E., et al. J. Cell. Sci. 121 (PT 17), 2892-2903 (2008)Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)Weiner, O.D. Curr. Biol. 12 (12), R429-R431 (2002)