

**PREX1 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP9461c**

**Specification**

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**PREX1 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q8TCU6</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	186203
Antigen Region	567-594

**PREX1 Antibody (Center) - 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

**Target/Specificity**

This PREX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 567-594 amino acids from the Central region of human PREX1.

**Dilution**

WB~~1:1000

**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.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

PREX1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**PREX1 Antibody (Center) - 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**

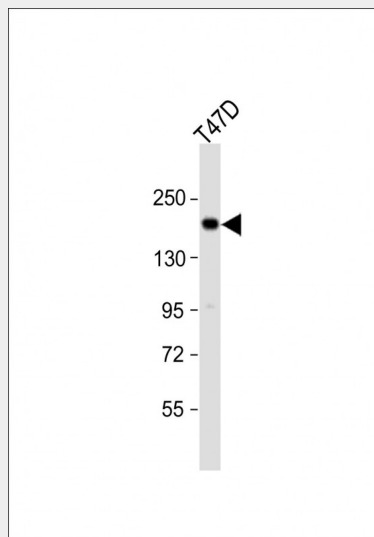
Mainly expressed in peripheral blood leukocytes and brain. Expressed at intermediate level in spleen and lymph nodes, and weakly expressed in other tissues

**PREX1 Antibody (Center) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**PREX1 Antibody (Center) - Images**



Anti-PREX1 Antibody (Center) at 1:1000 dilution + T47D whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 186 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

**PREX1 Antibody (Center) - 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) - 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)  
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