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[Marker Primary Antibody]

Rabbit Anti-PREX1/FITC Conjugated antibody

Catalog Number: SL19671R-FITC

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-PREX1/FITC
Immunogen:	KLH conjugated synthetic peptide derived from human PREX1
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Dog)
Background:	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. [provided by RefSeq, Jul 2008] **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-triphosphate and the beta gamma subunits of heterotrimeric G protein. May function downstream of heterotrimeric G proteins in neutrophils. **Subcellular Location:** Cytoplasm > cytosol. Cell membrane. Mainly cytosolic. Some amount is apparently associated to the plasma membrane. **Tissue Specificity:** Mainly expressed in peripheral blood leukocytes and brain. Expressed at intermediate level in spleen and lymph nodes, and weakly

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	expressed in other tissues. **Similarity:** Contains 1 DEP domain. Contains 1 DH (DBL-homology) domain. Contains 1 PDZ (DHR) domain. Contains 2 PH domains. **Database links:** **Entrez Gene:** 57580 Human **Entrez Gene:** 277360 Mouse **Entrez Gene:** 311647 Rat Omim: 606905 Human **SwissProt:** Q8TCU6 Human **SwissProt:** Q69ZK0 Mouse **Unigene:** 153310 Human **Unigene:** 721980 Human **Unigene:** 34420 Mouse **Unigene:** 485065 Mouse **Unigene:** 224665 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.