

PSCDBP Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP54358

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	O60759
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40010
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PSCDBP
Epitope Specificity	1-100/359
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Early endosome. Recruited from the cytosol to endosomes by SNX27.
SIMILARITY	Contains 1 PDZ (DHR) domain.
SUBUNIT	Interacts with CYTH1 and SNX27.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	CYTIP is a cytoplasmic protein that is involved in lymphocytic cell adhesion. Expressed primarily in hematopoietic cells, CYTIP regulates the activity of cytohesin-1 (an integrin-activating protein involved in cell adhesion) by mediating its recruitment to the leukocyte membrane. Through its ability to bind cytohesin-1, CYTIP is able to sequester it to the cytoplasm, thereby preventing cytohesin-1 translocation to lymphocytes and interrupting the flow of information in the cell adhesion pathway. CYTIP can be recruited from the cytoplasm to the membrane by leukocyte integrins which interact with CYTIP through its PDZ domain. After membrane translocation, CYTIP can be re-located to the cytoplasm via exposure to a phorbol ester. Additionally, CYTIP associates with SNX27 (sorting nexin 27) and helps to coordinate trafficking and signaling complexes. Up-regulation of CYTIP is observed in maturing dendritic cells, suggesting a possible role in developmentally-controlled cell adhesion.

Additional Information

Gene ID	9595
Other Names	Cytohesin-interacting protein, Cytohesin binder and regulator, CYBR, Cytohesin-associated scaffolding protein, CASP, Cytohesin-binding protein HE, Cbp HE, Pleckstrin homology Sec7 and coiled-coil domains-binding protein, CYTIP, PSCDBP

Target/Specificity	Expressed in lymph nodes, thymus, spleen, lung, peripheral blood leukocytes and bone marrow.
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CYTIP
Synonyms	PSCDBP
Function	By its binding to cytohesin-1 (CYTH1), it modifies activation of ARFs by CYTH1 and its precise function may be to sequester CYTH1 in the cytoplasm.
Cellular Location	Cytoplasm. Early endosome. Note=Recruited from the cytosol to endosomes by SNX27
Tissue Location	Expressed in lymph nodes, thymus, spleen, lung, peripheral blood leukocytes and bone marrow

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.