

# **PSCDBP Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP54358

# **Specification**

# **PSCDBP Polyclonal Antibody - Product Information**

Application Primary Accession

Reactivity
Host
Clonality
Calculated MW
Physical State
Immunogen

**Epitope Specificity** 

Isotype Purity

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

KLH conjugated synthetic peptide derived

WB, IHC-P, IHC-F, IF, ICC, E

060759

**Rabbit** 

**40 KDa** 

Liquid

laG

**Polyclonal** 

1-100/359

Rat, Dog, Bovine

from human PSCDBP

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 hematopoetic 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.

#### **PSCDBP Polyclonal Antibody - 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**

<span class ="dilution\_WB">WB~~1:1000</span><br \><span class
="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class
="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class
="dilution\_IF">IF~~1:50~200</span><br \><span class ="dilution\_ICC">ICC~~N/A</span><br \><span class ="dilution\_ICC">ICC~~N/A</span><br \><span class ="dilution\_ICC">ICC~~N/A</span><br \><span class = "dilution\_ICC">ICC~~N/A</span>

### 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.

## **PSCDBP Polyclonal Antibody - 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

# **PSCDBP Polyclonal Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# **PSCDBP Polyclonal Antibody - Images**