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PSCD2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12239A

Specification

PSCD2 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q99418
Other Accession	P63035, P63034, Q2KI41, NP_004219.3
Reactivity	**Mouse**
Predicted	**Bovine, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**46546**
Antigen Region	**36-64**

PSCD2 Antibody (N-term) - Additional Information

Gene ID 9266

Other Names
Cytohesin-2, ARF exchange factor, ARF nucleotide-binding site opener, Protein ARNO, PH, SEC7 and coiled-coil domain-containing protein 2, CYTH2, ARNO, PSCD2, PSCD2L

Target/Specificity
This PSCD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 36-64 amino acids from the N-terminal region of human PSCD2.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

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
PSCD2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PSCD2 Antibody (N-term) - Protein Information

Name CYTH2 (HGNC:9502)

Synonyms ARNO, PSCD2, PSCD2L

Function Acts as a guanine-nucleotide exchange factor (GEF). Promotes guanine-nucleotide exchange on ARF1, ARF3 and ARF6. Activates ARF factors through replacement of GDP with GTP (By similarity). The cell membrane form, in association with ARL4 proteins, recruits ARF6 to the plasma membrane (PubMed:17398095). Involved in neurite growth (By similarity).

Cellular Location
Cell membrane; Peripheral membrane protein. Cytoplasm. Cell projection {ECO:0000250|UniProtKB:P63034}. Cell projection, growth cone {ECO:0000250|UniProtKB:P63034}. Cell junction, tight junction {ECO:0000250|UniProtKB:P63034}. Cell junction, adherens junction {ECO:0000250|UniProtKB:P63034}. Note=Both isoform 1 and isoform 2 are recruited to the cell membrane through its association with ARL4A, ARL4C and ARL4D. They require also interaction with phosphoinositides for targeting to plasma membrane (PubMed:17398095). In differentiating neuroblastoma cells, colocalizes with CCDC120 in both neurite shaft and growth cone areas. {ECO:0000250|UniProtKB:P63034, ECO:0000269|PubMed:17398095}

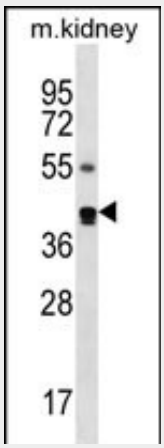
Tissue Location
Widely expressed..

PSCD2 Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PSCD2 Antibody (N-term) - Images



PSCD2 Antibody (N-term) (Cat. #AP12239a) western blot analysis in mouse kidney tissue lysates (35ug/lane).This demonstrates the PSCD2 antibody detected the PSCD2 protein (arrow).

PSCD2 Antibody (N-term) - Background

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The protein encoded by this gene is a member of the PSCD family. Members of this family have identical structural organization that consists of an N-terminal coiled-coil motif, a central Sec7 domain, and a C-terminal pleckstrin homology (PH) domain. The coiled-coil motif is involved in homodimerization, the Sec7 domain contains guanine-nucleotide exchange protein (GEP) activity, and the PH domain interacts with phospholipids and is responsible for association of PSCDs with membranes. Members of this family appear to mediate the regulation of protein sorting and membrane trafficking. The encoded protein exhibits GEP activity in vitro with ARF1, ARF3, and ARF6 and is 83% homologous to CYTH1. Two transcript variants encoding different isoforms have been found for this gene.

PSCD2 Antibody (N-term) - References

Merkulova, M., et al. Biochim. Biophys. Acta 1797(8):1398-1409(2010)
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