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CYTH1 / Cytohesin-1 Antibody (clone 1D6)

Mouse Monoclonal Antibody
Catalog # ALS13452

Specification

CYTH1 / Cytohesin-1 Antibody (clone 1D6) - Product Information

Application	**IF, IHC**
Primary Accession	Q15438
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**46kDa KDa**

CYTH1 / Cytohesin-1 Antibody (clone 1D6) - Additional Information

Gene ID 9267

Other Names
Cytohesin-1, PH, SEC7 and coiled-coil domain-containing protein 1, SEC7 homolog B2-1, CYTH1, D17S811E, PSCD1

Reconstitution & Storage
Store at -20°C. Aliquot to avoid freeze/thaw cycles.

Precautions
CYTH1 / Cytohesin-1 Antibody (clone 1D6) is for research use only and not for use in diagnostic or therapeutic procedures.

CYTH1 / Cytohesin-1 Antibody (clone 1D6) - Protein Information

Name CYTH1 (HGNC:9501)

Synonyms D17S811E, PSCD1

Function
Promotes guanine-nucleotide exchange on ARF1, ARF5 and ARF6. Promotes the activation of ARF factors through replacement of GDP with GTP. Plays an important role in membrane trafficking, during junctional remodeling and epithelial polarization, through regulation of ARF6 activity.

Cellular Location
Cell membrane; Peripheral membrane protein. Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q9QX11}. Cell junction, tight junction {ECO:0000250|UniProtKB:Q9QX11}. Cell junction, adherens junction {ECO:0000250|UniProtKB:Q9QX11}. Note=Colocalized with TJP1 during epithelial polarization. {ECO:0000250|UniProtKB:Q9QX11}

Tissue Location
Ubiquitous.

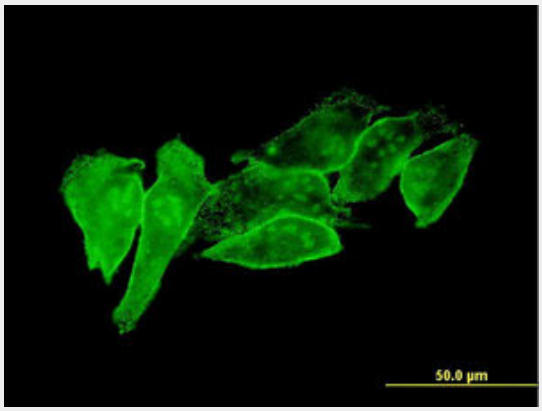
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CYTH1 / Cytohesin-1 Antibody (clone 1D6) - Protocols

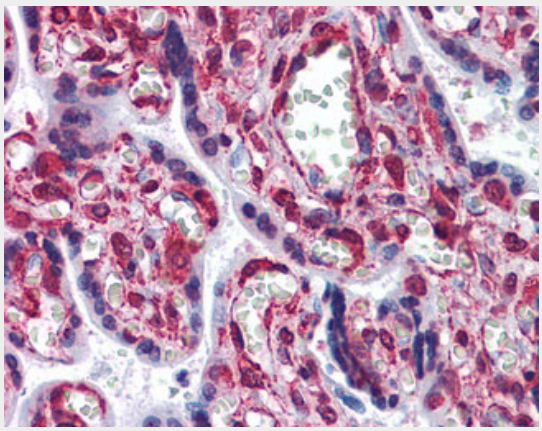
Provided below are standard protocols that you may find useful for product applications.

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

CYTH1 / Cytohesin-1 Antibody (clone 1D6) - Images

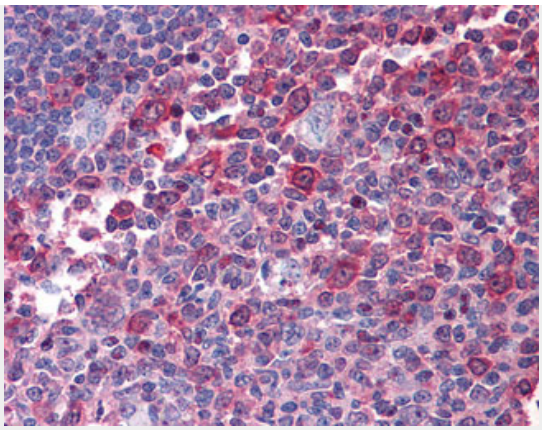


Immunofluorescence of monoclonal antibody to PSCD1 on HeLa cell (antibody concentration 10 ug/ml).



Anti-CYTH1 antibody IHC of human placenta.

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Anti-CYTH1 antibody IHC of human tonsil.

CYTH1 / Cytohesin-1 Antibody (clone 1D6) - Background

Promotes guanine-nucleotide exchange on ARF1 and ARF5. Promotes the activation of ARF factors through replacement of GDP with GTP.

CYTH1 / Cytohesin-1 Antibody (clone 1D6) - References

Liu L.,et al.Biochim. Biophys. Acta 1132:75-78(1992).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:1045-1049(2006).
Ogasawara M.,et al.J. Biol. Chem. 275:3221-3230(2000).
Vitale N.,et al.J. Biol. Chem. 275:21331-21339(2000).