

DENND1C Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55494**Specification**

DENND1C Polyclonal Antibody - Product Information

| | |
|--------------------------------|--|
| Application | IHC-P, IHC-F, IF, ICC, E |
| Primary Accession | Q8IV53 |
| Reactivity | Rat, Pig, Dog, Bovine |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 87 KDa |
| Physical State | Liquid |
| Immunogen | KLH conjugated synthetic peptide derived from human DENND1C |
| Epitope Specificity | 401-500/801 |
| 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; cytosol. Cytoplasmic vesicle; clathrin-coated vesicle. |
| SIMILARITY | Contains 1 dDENN domain. Contains 1 DENN domain. Contains 1 uDENN domain |
| SUBUNIT | Exhibits low nucleotide-independent RAB35-binding activity. Interacts with clathrin heavy chain/CLTC and with AP2A2, but not with AP2B1. |
| Important Note | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |

Background Descriptions

Clathrin (see MIM 118955)-mediated endocytosis is a major mechanism for internalization of proteins and lipids. Members of the connecdenn family, such as DENND1C, function as guanine nucleotide exchange factors (GEFs) for the early endosomal small GTPase RAB35 (MIM 604199) and bind to clathrin and clathrin adaptor protein-2 (AP2; see MIM 601024). Thus, conneddenns link RAB35 activation with the clathrin machinery (Marat and McPherson, 2010 [PubMed 20154091]).[supplied by OMIM, Nov 2010]

DENND1C Polyclonal Antibody - Additional Information**Gene ID** 79958**Other Names**

DENN domain-containing protein 1C, Connecdenn 3, Protein FAM31C, DENND1C, FAM31C

Dilution

IHC-P~~N/A<br \><span class
="dilution_IHC-F">IHC-F~~N/A<br \><span class
="dilution_IF">IF~~1:50~200<br \>ICC~~N/A<br
\>E~~N/A

Format

0.01M TBS(pH7.4), 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.

DENND1C Polyclonal Antibody - Protein Information

Name DENND1C

Synonyms FAM31C

Function

Guanine nucleotide exchange factor (GEF) which may activate RAB8A, RAB13 and RAB35. Promotes the exchange of GDP to GTP, converting inactive GDP-bound Rab proteins into their active GTP-bound form.

Cellular Location

Cytoplasm, cytosol. Cytoplasmic vesicle, clathrin-coated vesicle

DENND1C Polyclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DENND1C Polyclonal Antibody - Images