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DENND1C Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55494

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8IV53
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	87065
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, connecdenns link RAB35 activation with the clathrin machinery (Marat and McPherson, 2010 [PubMed 20154091]).[supplied by OMIM, Nov 2010]

Additional Information

Gene ID	79958
Other Names	DENN domain-containing protein 1C, Connecdenn 3, Protein FAM31C, DENND1C, FAM31C
Dilution	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	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

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