

DENND5B Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55499**Specification****DENND5B Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q6ZUT9
Reactivity	Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	145 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DENND5B
Epitope Specificity	31-130/1274
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	Membrane; Single-pass membrane protein.
SIMILARITY	Belongs to the RAB6IP1 family.Contains 1 dDENN domain.Contains 1 DENN domain.Contains 1 PLAT domain.Contains 2 RUN domains.Contains 1 uDENN domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

DENND5B is a 1,274 amino acid single-pass membrane protein containing a dDENN domain, a DENN domain, a PLAT domain, two RUN domains and an uDENN domain. Existing as four alternatively spliced isoforms, DENND5B is encoded by a gene located on human chromosome 12, which encodes over 1,100 genes and comprises approximately 4.5% of the human genome. Chromosome 12 is associated with a number of skeletal deformities, including hypochondrogenesis, achondrogenesis and Kniest dysplasia. Noonan syndrome, which includes heart and facial developmental defects among the primary symptoms, is caused by a mutant form of PTPN11 gene product, SH-PTP2. Chromosome 12 is also home to a homeobox gene cluster which encodes crucial transcription factors for morphogenesis, and the natural killer complex gene cluster encoding C-type lectin proteins which mediate the NK cell response to MHC I interaction. Trisomy 12p leads to facial development defects, seizure disorders and a host of other symptoms varying in severity depending on the extent of mosaicism and is most severe in cases of complete trisomy.

DENND5B Polyclonal Antibody - Additional Information**Gene ID 160518**

Other Names

DENN domain-containing protein 5B, Rab6IP1-like protein, DENND5B

Dilution

IHC-P~~N/A<br \>IHC-F~~N/A<br \>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.

DENND5B Polyclonal Antibody - Protein Information

Name DENND5B

Function

Guanine nucleotide exchange factor (GEF) which may activate RAB39A and/or RAB39B. Promotes the exchange of GDP to GTP, converting inactive GDP-bound Rab proteins into their active GTP-bound form.

Cellular Location

Membrane; Single-pass membrane protein

DENND5B 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](#)

DENND5B Polyclonal Antibody - Images