

## **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
Reactivity
Bovine
Host
Clonality
Calculated MW
Q6ZUT9
Rovine
Rabbit
Polyclonal
145 KDa

Calculated MW 145 KDa Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

from human DENND5B

Epitope Specificity 31-130/1274

Isotype IgG
Purity

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**

affinity purified by Protein A

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**

<span class ="dilution\_IHC-P">IHC-P~~N/A</span><br \> <span class
="dilution\_IHC-F">IHC-F~~N/A</span><br \> <span class
="dilution\_IF">IF~~1:50~200</span><br \> <span class ="dilution\_ICC">ICC~~N/A</span><br \> <span class ="dilution\_E">E~~N/A</span>

### **Storage**

Store at -20  $^{\circ}$ 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  $^{\circ}$ 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
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### **DENND5B Polyclonal Antibody - Images**