

Rabbit Anti-DENND5B antibody

SL14275R

Product Name DENND5B

Chinese Name DENND5B 蛋白抗体

Alias DENN domain containing protein 5B; DENN MADD domain containing 5B; Dennd5b; DEN5B_HUMAN; Rab6IP1 like protein.

Research Area Cell biology immunology

Immunogen Species Rabbit

Clonality Polyclonal

React Species (predicted:Human,Mouse,Chicken,Cow,Horse,Sheep)

IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
(Paraffin sections need antigen repair)

Applications not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 145kDa

Cellular localization The cell membrane

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human DENND5B: 31-130/1274

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed [PubMed](#)

Product DENND5B is a 1,274 amino acid single-pass membrane protein containing a dDENN domain,

Detail

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.

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.

SWISS:

Q6ZUT9

Gene ID:

160518

Database links:

[Entrez Gene: 160518](#) Human

[Entrez Gene: 320560](#) Mouse

[SwissProt: Q6ZUT9](#) Human

[SwissProt: A2RSQ0](#) Mouse

[Unigene: 118166](#) Human

[Unigene: 426874](#) Mouse



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