

AP51240PU-N**Polyclonal Antibody to DENND1B (N-term) - Aff - Purified****Alternate names:**

C1orf218, Connecdenn 2, DENN domain-containing protein 1B, FAM31B

Quantity:

0.4 ml

Concentration:

lot specific

Background:

Clathrin (see MIM 118955)-mediated endocytosis is a major mechanism for internalization of proteins and lipids. Members of the connecdenn family, such as DENND1B, 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]).

Uniprot ID:[Q6P3S1](#)**NCBI:**[NP_001182144](#)**GeneID:**[163486](#)**Host / Isotype:**

Rabbit / Ig

Immunogen:

KLH conjugated synthetic peptide between 46-76 amino acids from the N-terminal region of Human DENND1B.

Genename: DENND1B**Format:****State:** Liquid purified Ig fraction**Purification:** Protein A column, followed by peptide affinity purification**Buffer System:** PBS**Preservatives:** 0.09% (W/V) Sodium Azide**Applications:****ELISA:** 1/1000.**Western Blot:** 1/100-1/500.**Immunohistochemistry on Paraffin Sections:** 1/50-1/100.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody recognizes Human DENND1B (N-term).

Add. Information:**Molecular Weight:** 48260 Da**Storage:**

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

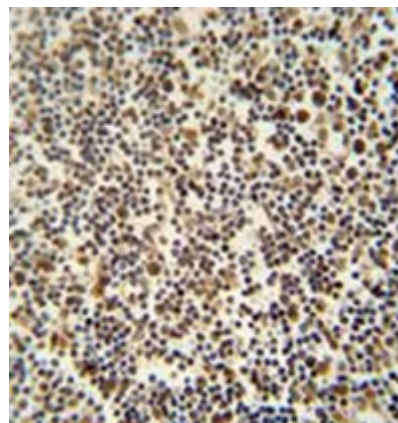
Shelf life: one year from despatch.

General Readings:

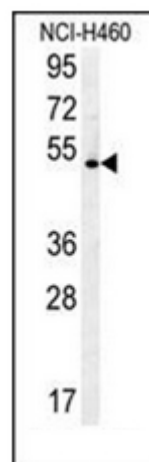
1. Marat, A.L., et al. J. Biol. Chem. 285(14):10627-10637 (2010).
2. Sleiman, P.M., et al. N. Engl. J. Med. 362(1):36-44 (2010)
3. Venter, J.C., et al. Science 291(5507):1304-1351 (2001).

Pictures:

Formalin fixed, paraffin embedded human lymph tissue stained with DENND1B Antibody (N-term) Cat.-No AP51240PU-N followed by peroxidase conjugation of the secondary antibody and DAB staining.



Western blot analysis of DENND1B Antibody (N-term) Cat.-No AP51240PU-N in NCI-H460 cell line lysates (35ug/lane). This demonstrates the DENND1B antibody detected the DENND1B protein (arrow).



Flow cytometric analysis of NCI-H460 cells using DENND1B Antibody (N-term) Cat.-No AP51240PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

