

PTHD2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16111A

Specification

PTHD2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O9P2K9
Other Accession	NP_065831.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	153048
Antigen Region	179-207

PTHD2 Antibody (N-term) - Additional Information

Gene ID 57540

Other Names

Patched domain-containing protein 2, Protein dispatched homolog 3, PTCHD2, DISP3, KIAA1337

Target/Specificity

This PTHD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 179-207 amino acids from the N-terminal region of human PTHD2.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PTHD2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PTHD2 Antibody (N-term) - Protein Information

Name DISP3 {ECO:0000303|PubMed:15645143, ECO:0000312|HGNC:HGNC:29251}

Function Plays a role in neuronal proliferation and differentiation (PubMed:[25281927](#)). Plays a role in the accumulation of cellular cholesterol (By similarity). Involved in intracellular lipid droplet

formation (PubMed:[25281927](#)). May contribute to cholesterol homeostasis in neuronal cells (By similarity).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein. Nucleus membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane {ECO:0000250|UniProtKB:B9U3F2}; Multi-pass membrane protein. Note=Predominantly localized to cholesterol-enriched domains within the membrane (PubMed:19179482). Localizes to cytoplasmic punctate vesicular structures (By similarity) {ECO:0000250|UniProtKB:B9U3F2, ECO:0000269|PubMed:19179482}

Tissue Location

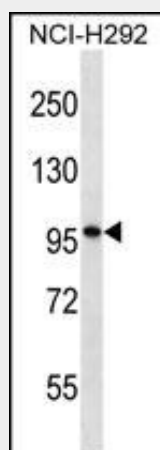
Expressed in brain and testis (PubMed:15645143).

PTHD2 Antibody (N-term) - 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](#)

PTHD2 Antibody (N-term) - Images



PTHD2 Antibody (N-term) (Cat. #AP16111a) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the PTHD2 antibody detected the PTHD2 protein (arrow).

PTHD2 Antibody (N-term) - References

Peart, M.J., et al. Proc. Natl. Acad. Sci. U.S.A. 102(10):3697-3702(2005)
Kato, Y., et al. Int. J. Oncol. 26(2):551-556(2005)
Venter, J.C., et al. Science 291(5507):1304-1351(2001)