

DOLK Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8834c**Specification**

DOLK Antibody (Center) - Product Information

Application	FC, IHC-P, WB,E
Primary Accession	Q9UPQ8
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	312-339

DOLK Antibody (Center) - Additional Information**Gene ID** 22845**Other Names**

Dolichol kinase, Transmembrane protein 15, DOLK, KIAA1094, TMEM15

Target/Specificity

This DOLK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 312-339 amino acids from the Central region of human DOLK.

Dilution

FC~~1:10~50

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

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

DOLK Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

DOLK Antibody (Center) - Protein Information**Name** DOLK**Synonyms** KIAA1094 {ECO:0000303|PubMed:10470851},

Function Catalyzes CTP-mediated phosphorylation of dolichol, the terminal step in de novo dolichyl monophosphate (Dol-P) biosynthesis (PubMed:[12213788](#), PubMed:[16923818](#), PubMed:[17273964](#), PubMed:[22242004](#)). Dol-P is a lipid carrier essential for the synthesis of N-linked and O- linked oligosaccharides and for GPI anchors (PubMed:[12213788](#)).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location

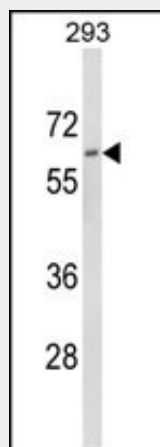
Ubiquitous..

DOLK Antibody (Center) - Protocols

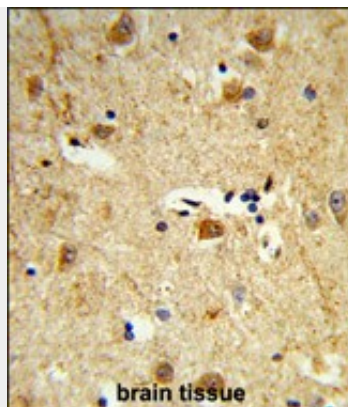
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

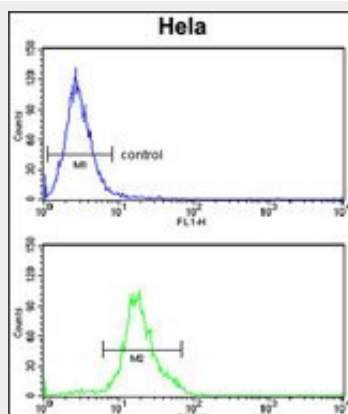
DOLK Antibody (Center) - Images



Western blot analysis of DOLK Antibody (Center) (Cat. #AP8834c) in 293 cell line lysates (35ug/lane). DOLK (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with DOLK Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



DOLK Antibody (Center) (Cat. #AP8834c) flow cytometry analysis of HeLa cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

DOLK Antibody (Center) - Background

DOLK is involved in the synthesis of the sugar donor Dol-P-Man which is required in the synthesis of N-linked and O-linked oligosaccharides and for that of GPI anchors (By similarity).

DOLK Antibody (Center) - References

Shridas, P. et al., J. Biol. Chem. 281 (42), 31696-31704 (2006)