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DOLK Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8834c

Specification

DOLK Antibody (Center) - Product Information

Application	**WB, IHC-P, FC,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
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

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, TMEM15

Function Catalyzes CTP-mediated phosphorylation of dolichol, the terminal step in de novo dolichyl monophosphate (Dol-P) biosynthesis (PubMed:12213788, PubMed:16923818, PubMed:17273964). 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

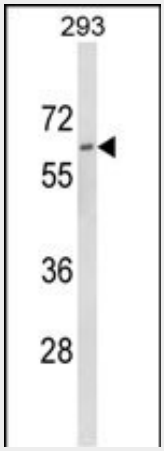
Tissue Location
Ubiquitous.

DOLK Antibody (Center) - Protocols

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

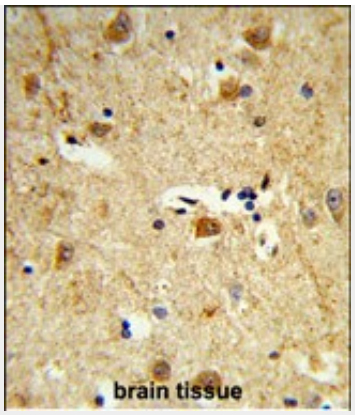
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DOLK Antibody (Center) - Images

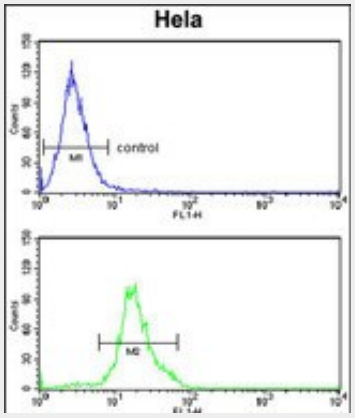


Western blot analysis of DOLK Antibody (Center) (Cat. #AP8834c) in 293 cell line lysates (35ug/lane). DOLK (arrow) was detected using the purified Pab.

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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)