SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-DOLK antibody

Catalog Number: SL14406R

FOR RESEARCH USE ONLY

[DATASHEET]

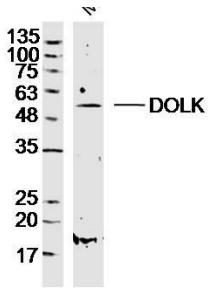
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	DOLK
Immunogen:	KLH conjugated synthetic peptide derived from human DOLK: 401-500/538
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Chicken,Pig,Cow,Horse,Sheep)
Predicted MW.:	59kDa
Subcellular Location:	The cell membrane
Background:	The protein encoded by this gene catalyzes the CTP-mediated phosphorylation of dolichol, and is involved in the synthesis of Dol-P-Man, which is an essential glycosyl carrier lipid for C- and O-mannosylation, N- and O-linked glycosylation of proteins, and for the biosynthesis of glycosyl phosphatidylinositol anchors in endoplasmic reticulum. Mutations in this gene are associated with dolichol kinase deficiency.[provided by RefSeq, Apr 2010] **Function:** DOLK belongs to the polyprenol kinase family. Defects in DOLK are the cause of congenital disorder of glycosylation type 1M (CDG1M), also known as dolichol kinase deficiency. **Subcellular Location:** Endoplasmic reticulum integral membrane protein **Tissue Specificity:** Ubiquitous. DISEASE: Congenital disorder of glycosylation 1M (CDG1M) [MIM:610768]: A multisystem disorder caused by a defect in glycoprotein biosynthesis and characterized by under-glycosylated serum glycoproteins. Congenital disorders of glycosylation result in a wide variety of clinical

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	features, such as defects in the nervous system development, psychomotor retardation, dysmorphic features, hypotonia, coagulation disorders, and immunodeficiency. The broad spectrum of features reflects the critical role of N-glycoproteins during embryonic development, differentiation, and maintenance of cell functions. CDG1M is a very severe disease with death occurring in early life. Note=The disease is caused by mutations affecting the gene represented in this entry. **Similarity:** Belongs to the polyprenol kinase family. **Database links:** **Entrez Gene:** 22845 Human Omim: 610746 Human **SwissProt:** Q9UPQ8 Human

[VALIDATION IMAGES]



Sample:Muscle (Mouse)Lysate at 40 ug
Primary: Anti-DOLK(SL14406R)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution
Predicted band size: 59kD
Observed band size: 59kD

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