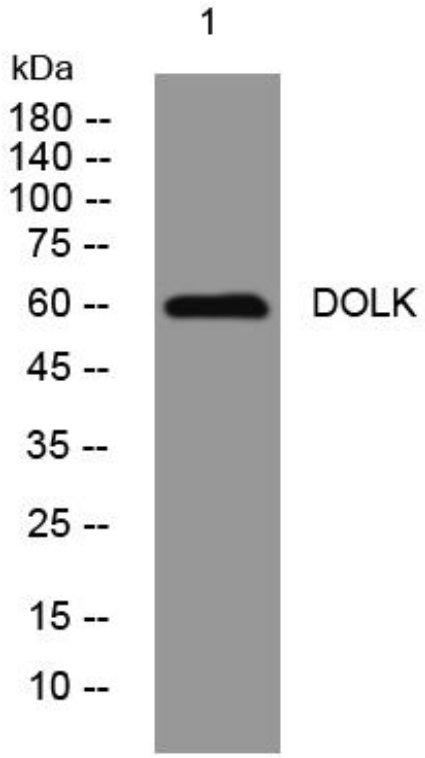
DOLK mouse mAb

Catalog No	BYmab-11867
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	DOLK KIAA1094 TMEM15 UNQ2422/PRO4980
Protein Name	DOLK
Immunogen	Synthesized peptide derived from human DOLK AA range: 420-470
Specificity	This antibody detects endogenous levels of DOLK at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	Endoplasmic reticulum membrane ; Multi-pass membrane protein .
Tissue Specificity	Ubiquitous.
Function	catalytic activity:CTP + dolichol = CDP + dolichyl phosphate.,disease:Defects in DOLK are the cause of congenital disorder of glycosylation type 1M (CDG1M) [MIM:610768]; also known as dolichol kinase deficiency. CDGs are a family of severe inherited diseases caused by a defect in glycoprotein biosynthesis. They are characterized by under-glycosylated serum glycoproteins. These multisystem disorders present with a wide variety of clinical features, such as disorders of 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 disorder with death occurring in early infancy.,function:Involved in the synthesis of the sugar donor Dol-P-Man

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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using DOLK mouse mAb