Best Tools for immunology Research

ALG1 rabbit pAb

Catalog No :	YT6940
Reactivity :	Human;Mouse
Applications :	WB
Target :	ALG1
Fields :	>>N-Glycan biosynthesis;>>Various types of N-glycan biosynthesis;>>Metabolic pathways
Gene Name :	ALG1 HMAT1 HMT1 PSEC0061 UNQ861/PRO1870
Protein Name :	ALG1
Human Gene Id :	56052
Human Swiss Prot No :	Q9BT22
Mouse Gene Id :	208211
Mouse Swiss Prot No :	Q921Q3
Immunogen :	Synthesized peptide derived from human ALG1 AA range: 180-230
Specificity :	This antibody detects endogenous levels of ALG1 at Human/Mouse
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1□500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

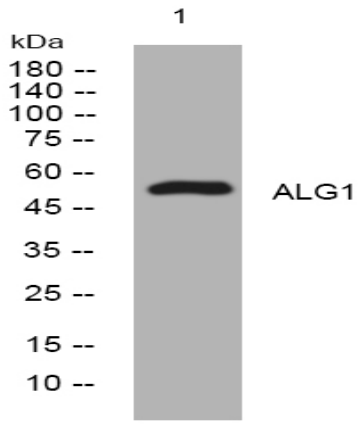
Molecularweight : 51kD

Background : The enzyme encoded by this gene catalyzes the first mannosylation step in the biosynthesis of lipid-linked oligosaccharides. This gene is mutated in congenital disorder of glycosylation type Ik. [provided by RefSeq, Dec 2008],

Function : catalytic activity:GDP-mannose + chitobiosyldiphosphodolichol = GDP + beta-1,4-D-mannosylchitobiosyldiphosphodolichol.,disease:Defects in ALG1 are the cause of congenital disorder of glycosylation type 1K (CDG1K) [MIM:608540]. CDGs are a family of severe inherited diseases caused by a defect in protein N-glycosylation. They are characterized by under-glycosylated serum proteins. 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.,function:Participates in the formation of the lipid-linked precursor oligosaccharide for N-glycosylation. Involved in assembli

Subcellular Location : Endoplasmic reticulum membrane ; Single-pass type II membrane protein .

Products Images



Western blot analysis of lysates from Jurkat cells, primary antibody was diluted at 1:1000, 4°over night