ALG1 Rabbit pAb

CatalogNo: YT6940

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse

Applications
- WB

MW
- 51kD (Calculated)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from human ALG1 AA range: 180-230
Specificity	This antibody detects endogenous levels of ALG1 at Human/Mouse

Target Information

Gene name	ALG1 HMAT1 HMT1 PSEC0061 UNQ861/PRO1870

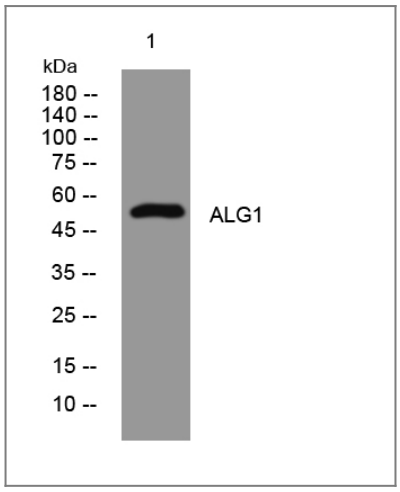
Protein Name ALG1

Organism	Gene ID	UniProt ID
Human	56052;	Q9BT22;
Mouse	208211;	Q921Q3;

Cellular Localization Endoplasmic reticulum membrane ; Single-pass type II membrane protein .

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 assembling the dolichol-pyrophosphate-GlcNAc(2)-Man(5) intermediate on the cytoplasmic surface of the ER.,online information:GlycoGene database,pathway:Protein modification; protein glycosylation.,similarity:Belongs to the glycosyltransferase 1 family.,

Validation Data



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

Contact information

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Please scan the QR code to access additional product information:
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