

Datasheet for ABIN1449889

anti-ALG8 antibody**1** Image[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	ALG8
Reactivity:	Human, Mouse, Pig, Rat, Cow, Dog, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALG8 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Synthetic peptide corresponding to a region of Rat ALG8
Sequence:	LELKLLDPSQ IPRASMTSGL VQQSQHTVLP SVSPSATLIC TLIAILPSVF
Cross-Reactivity (Details):	Species reactivity (expected): Mouse, Human, Chicken, Dog, Bovine, Pig Species reactivity (tested): Human
Purification:	Purified using peptide immunoaffinity column

Target Details

Target:	ALG8
Alternative Name:	ALG8 (ALG8 Products)
Background:	ALG8 adds the second glucose residue to the lipid-linked oligosaccharide precursor for N-linked glycosylation and transfers glucose from dolichyl phosphate glucose (Dol-P-Glc) onto the lipid-linked oligosaccharide Glc1Man9GlcNAc(2)-PP-Dol. Defects in ALG8 are the cause of

Target Details

congenital disorder of glycosylation type 1H (CDG1H). 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. Synonyms: 3-glucosyltransferase, Asparagine-linked glycosylation protein 8, Dolichyl-P-Glc:Glc1Man9GlcNAc2-PP-dolichyl glucosyltransferase, HUSSY-02, Probable dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1

Gene ID: 293129

NCBI Accession: [NP_001029299](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Reconstitution: Add 50 µL of distilled water to a final concentration of 1 mg/mL.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store lyophilized at 2-8 °C or at -20 °C long term. After reconstitution store the antibody undiluted at 2-8 °C for up to one month or in aliquots at -20 °C long term.



Western Blotting

Image 1. Rat Heart; WB Suggested Anti-Alg8 Antibody
Titration: 0.2-1 ug/ml. ELISA Titer: 1:62500. Positive
Control: Rat Heart; Alg8 antibody - middle region in Rat
Heart cells using Western Blot