Datasheet for ABIN7602167

anti-ALG3 antibody (AA 61-438)

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Overview

Quantity:	100 µg
Target:	ALG3
Binding Specificity:	AA 61-438
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALG3 antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS), Western Blotting (WB)

Product Details

Purpose:	Anti-ALG3 Antibody Picoband®
Immunogen:	E.coli-derived human ALG3 recombinant protein (Position: I61-H438).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-ALG3 Antibody Picoband® (ABIN7602167). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human, Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	ALG3
Alternative Name:	ALG3 (ALG3 Products)
Background:	Synonyms: Growth arrest and DNA damage-inducible protein GADD45 gamma, Cytokine-responsive protein CR6, DNA damage-inducible transcript 2 protein, DDIT-2, GADD45G, CR6, DDIT2 Background: Dolichyl-P-Man:Man(5)GlcNAc(2)-PP-dolichyl mannosyltransferase is an enzyme that, in humans, is encoded by the ALG3 gene. This gene encodes a member of the ALG3 family. The encoded protein catalyses the addition of the first dol-P-Man derived mannose in an alpha 1,3 linkage to Man5GlcNAc2-PP-Dol. Defects in this gene have been associated with congenital disorder of glycosylation type Id (CDG-Id) characterized by abnormal N-glycosylation. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	50-55 kDa
Gene ID:	10195
UniProt:	Q92685

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Denecke, J., Kranz, C., Kemming, D., Koch, H.-G., Marquardt, T. An activated 5-prime cryptic splice site in the human ALG3 gene generates a premature termination codon insensitive to nonsense-mediated mRNA decay in a new case of congenital disorder of glycosylation type Id (CDG-Id). Hum. Mutat. 23: 477-486, 2004. 2. Denecke, J., Kranz, C., von Kleist-Retzow, J. C., Bosse, K., Herkenrath, P., Debus, O., Harms, E., Marquardt, T. Congenital disorder of glycosylation type Id: clinical phenotype, molecular analysis, prenatal diagnosis, and glycosylation of fetal proteins. Pediat. Res. 58: 248-253, 2005. 3. Korner, C., Knauer, R., Stephani, U., Marquardt, T., Lehle, L., von Figura, K. Carbohydrate deficient glycoprotein syndrome type IV: deficiency of dolichyl-P-Man:Man(5)GlcNAc(2)-PP-dolichyl mannosyltransferase. EMBO J. 18: 6816-6822, 1999.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.