

Datasheet for ABIN2783587
anti-ALG2 antibody (C-Term)[Go to Product page](#)

1 Image

2 Publications

Overview

Quantity:	100 µL
Target:	ALG2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Saccharomyces cerevisiae, Goat, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALG2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human ALG2
Sequence:	QSDLGQYVTF LRSFSDKQKI SLLHSCTCVL YTPSNEHFGI VPLEAMYMQC
Predicted Reactivity:	Cow: 100%, Dog: 93%, Goat: 86%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against ALG2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ALG2
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Target Details

Alternative Name:	ALG2 (ALG2 Products)
Background:	<p>ALG2 is a member of the glycosyltransferase 1 family. It acts as an alpha 1,3 mannosyltransferase, mannosylating Man(2)GlcNAc(2)-dolichol diphosphate and Man(1)GlcNAc(2)-dolichol diphosphate to form Man(3)GlcNAc(2)-dolichol diphosphate. Defects in this gene have been associated with congenital disorder of glycosylation type 1h (CDG-1h). This gene encodes a member of the glycosyltransferase 1 family. The encoded protein acts as an alpha 1,3 mannosyltransferase, mannosylating Man(2)GlcNAc(2)-dolichol diphosphate and Man(1)GlcNAc(2)-dolichol diphosphate to form Man(3)GlcNAc(2)-dolichol diphosphate. Defects in this gene have been associated with congenital disorder of glycosylation type 1h (CDG-1h).</p> <p>Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> <p>Alias Symbols: CDG1h, FLJ14511, hALPG2, NET38</p> <p>Protein Interaction Partner: UBC, PLSCR3, SHISA5, PDCD6IP, ALG2, VPS28, PTPN23, SEC31A, TSG101, LAMP1, HSP90AA1, PTK2B, ANXA11, ANXA7, VPS37A, PEF1, SRI,</p> <p>Protein Size: 416</p>
Molecular Weight:	47 kDa
Gene ID:	85365
NCBI Accession:	NM_033087 , NP_149078
UniProt:	Q9H553

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 416 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

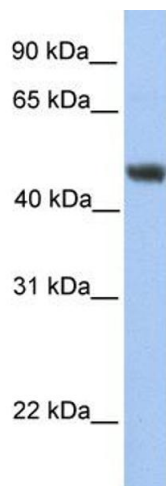
Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Clayton, Daley, MacDonald, Fernandez-Vizarra, Bottegoni, ONeil, Major, Griffin, Zhuang, Adewoye, Woolcock, Jones, Goodyear, Elmesmari, Filer, Tennant, Alivernini, Buckley, Pitceathly et al.: "Inflammation causes remodeling of mitochondrial cytochrome c oxidase mediated by the bifunctional gene C15orf48. ..." in: Science advances , Vol. 7, Issue 50, pp. eabl5182, (2021) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-ALG2 Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate