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anti-ALG1 antibody (C-Term)





Publication



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Overview

Quantity:	100 μL
Target:	ALG1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Dog, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALG1 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 ALG1
Sequence:	VKHEENGLVF EDSEELAAQL QMLFSNFPDP AGKLNQFRKN LRESQQLRWD
Predicted Reactivity:	Cow: 86%, Dog: 93%, Guinea Pig: 92%, Human: 100%, Mouse: 86%, Rabbit: 86%, Rat: 92%
Characteristics:	This is a rabbit polyclonal antibody against ALG1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	ALG1
Alternative Name:	ALG1 (ALG1 Products)
Background:	The enzyme encoded by this gene catalyzes the first mannosylation step in the biosynthesis of

Target Details

	lipid-linked oligosaccharides. This gene is mutated in congenital disorder of glycosylation type
	lk.
	Alias Symbols: HMT1, MT-1, CDG1K, HMAT1, HMT-1, Mat-1, hMat-1
	Protein Size: 353
Molecular Weight:	38 kDa
Gene ID:	56052
NCBI Accession:	NM_019109, NP_061982
UniProt:	B4DP08

Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeat 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).

Images

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa 15kDa

Western Blotting

Image 1.