

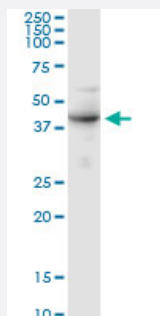
MaxPab®

ALG2 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00085365-D01P

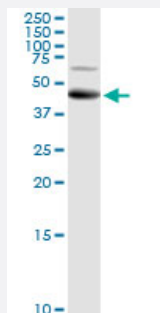
Size 100 ug

Applications



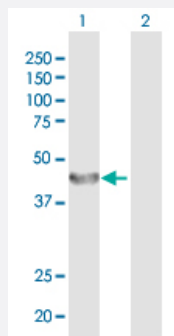
Western Blot (Tissue lysate)

ALG2 MaxPab rabbit polyclonal antibody. Western Blot analysis of ALG2 expression in human kidney.



Western Blot (Cell lysate)

ALG2 MaxPab rabbit polyclonal antibody. Western Blot analysis of ALG2 expression in A-431.



Western Blot (Transfected lysate)

Western Blot analysis of ALG2 expression in transfected 293T cell line ([H00085365-T01](#)) by ALG2 MaxPab polyclonal antibody.

Lane 1: ALG2 transfected lysate(47.10 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human ALG2 protein.

Immunogen	ALG2 (NP_149078.1, 1 a.a. ~ 416 a.a) full-length human protein.
Sequence	MAEEQGRERDSVPKPSVLFLHPDLGVGGAERLVLDAALALQARGCSVKIWTAHYDPGHCFAES REL PVRCAGDWLPRGLGWGGRGAAVCA YVRMVFLAL YVLF LADEEFDVVVCDQVSACIPVFRL ARRRKILFYCHF PDLLLTKRDSFLKRLYRAPIDWIEEYTTGMADCILVNSQFTA AVFKETFKSLSHI DPDVL YPSLNVTSFDSV VPEKLDDLV PKGKKFLLLSINRYERKKNLTLALEALVQLRGRLTSQDW ERVHLIVAGGYDERVLENVEHYQELKKMVQQSDLGQYVTF LRSFSDKQKISLLHSCTCVLYTPSN EHFGVPLEAMYMQCPVIAVNSGGPLESIDHSVTGFLCEPD PVHFSEAIEKFIREPSLKATMGLAG RARVKEKFSPEAFTEQLYRYVT KLLV
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (81); Rat (81)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

ALG2 MaxPab rabbit polyclonal antibody. Western Blot analysis of ALG2 expression in human kidney.

[Protocol Download](#)

- Western Blot (Cell lysate)

ALG2 MaxPab rabbit polyclonal antibody. Western Blot analysis of ALG2 expression in A-431.

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- Western Blot (Transfected lysate)

Western Blot analysis of ALG2 expression in transfected 293T cell line ([H00085365-T01](#)) by ALG2 MaxPab polyclonal antibody.

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[Protocol Download](#)

Gene Info — ALG2

Entrez GeneID	85365
GeneBank Accession#	NM_033087.3
Protein Accession#	NP_149078.1
Gene Name	ALG2
Gene Alias	CDGLi, FLJ14511, hALPG2
Gene Description	asparagine-linked glycosylation 2, alpha-1,3-mannosyltransferase homolog (S. cerevisiae)
Omim ID	607905 607906
Gene Ontology	Hyperlink
Gene Summary	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). Alternative splicing results in multiple transcript variants. [provided by RefSeq]
Other Designations	GDP-Man:Man(1)GlcNAc(2)-PP-dolichol mannosyltransferase OTTHUMP00000021785 OTTHUMP00000123474 alpha-1,3-mannosyltransferase ALG2 asparagine-linked glycosylation 2 homolog (S. cerevisiae, alpha-1,3-mannosyltransferase) asparagine-linked glycosylation 2 hom

Publication Reference

- [A microtubule-associated protein MAP1B binds to and regulates localization of a calcium-binding protein ALG-2.](#)

Takahara T, Arai Y, Kono Y, Shibata H, Maki M.

Biochemical and Biophysical Research Communications 2018 Mar; 497:492.

Application: IF, WB-Ce, Human, HeLa, HEK293 cells

Pathway

- [Metabolic pathways](#)
- [N-Glycan biosynthesis](#)