

AP43589PU-N**Polyclonal Antibody to ALG2 - Aff - Purified**

Alternate names:	3-mannosyltransferase ALG2, Alpha-1, Asparagine-linked glycosylation protein 2, GDP-Man:Man(1)GlcNAc(2)-PP-dolichol mannosyltransferase
Quantity:	0.1 ml
Background:	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).
Uniprot ID:	Q9H553
NCBI:	NP_149078
GeneID:	85365
Host:	Rabbit
Immunogen:	Synthetic peptide directed towards the C terminal of human ALG2 AA Sequence: QSDLGQYVTFRLRSFSDKQKISLLHSCTCVLYTPSNEHFGIVPLEAMYMQC
Format:	State: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. Purification: Purified using peptide immunoaffinity column
Applications:	Western blotting (0.2 - 1.0 µg/ml) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Species Reactivity:	Tested: Human Expected from sequence similarity: Mouse, Rat, Bovine, Pig, Dog, African clawed frog, Zebrafish
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	"A new type of congenital disorders of glycosylation (CDG-1h) provides new insights into the early steps of dolichol-linked oligosaccharide biosynthesis." Thiel C., Schwarz M., Peng J., Grzmil M., Hasilik M., Bräulke T., Kohlschütter A., von Figura K., Lehle L., Koerner C. J. Biol. Chem. 278:22498-22505(2003)

Pictures:

Human HepG2; WB Suggested Anti-ALG2
Antibody Titration: 0.2-1 ug/ml. Positive
Control: HepG2 cell lysate; ALG2
antibody - C-terminal region (AP43589PU-
N) in Human HepG2 cells using Western
Blot

