

Product datasheet for **AP50145PU-N**

ALG10 (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blotting: 1/1000. Immunohistochemistry: 1/50 - 1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 17~43 amino acids from the N-terminal region of human ALG10
Specificity:	This antibody reacts to ALG10.
Formulation:	PBS containing 0.09% (W/V) sodium azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ALG10, alpha-1,2-glucoyltransferase
Database Link:	Entrez Gene 84920 Human Q5BKT4



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Background: ALG10 encodes a membrane-associated protein that adds the third glucose residue to the lipid-linked oligosaccharide precursor for N-linked glycosylation. That is, it transfers the terminal glucose from dolichyl phosphate glucose (Dol-P-Glc) onto the lipid-linked oligosaccharide Glc2Man9GlcNAc(2)-PP-Dol. The rat protein homolog was shown to specifically modulate the gating function of the rat neuronal ether-a-go-go (EAG) potassium ion channel.

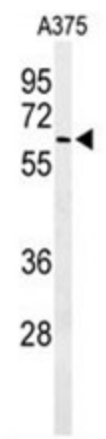
Synonyms: ALG10A, ALG10-A

Note: **Molecular Weight:** 55606 Da

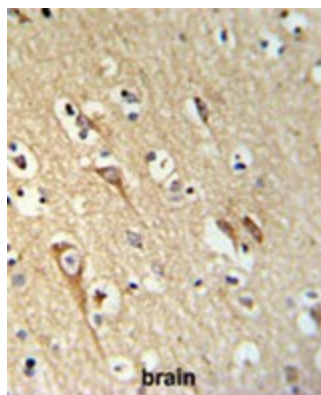
Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, N-Glycan biosynthesis

Product images:



Western blot analysis of ALG10 Antibody (N-term) in A375 cell line lysates (35 ug/lane). ALG10 (arrow) was detected using the purified Pab.



ALG10 Antibody (N-term) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ALG10 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.