

ALG13 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17892c**Specification**

ALG13 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O9NP73
Other Accession	O9D8C3 , NP_001161857.1 , NP_001034299.3
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	126056
Antigen Region	44-70

ALG13 Antibody (Center) - Additional Information**Gene ID** 79868**Other Names**

Putative bifunctional UDP-N-acetylglucosamine transferase and deubiquitinase ALG13, Asparagine-linked glycosylation 13 homolog, Glycosyltransferase 28 domain-containing protein 1, UDP-N-acetylglucosamine transferase subunit ALG13 homolog, ALG13, CXorf45, GLT28D1

Target/Specificity

This ALG13 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 44-70 amino acids from the Central region of human ALG13.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ALG13 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ALG13 Antibody (Center) - Protein Information**Name** ALG13

Synonyms CXorf45, GLT28D1

Function [Isoform 1]: Possible multifunctional enzyme with both glycosyltransferase and deubiquitinase activities.

Cellular Location

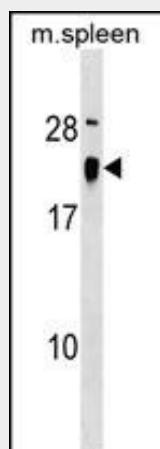
[Isoform 2]: Endoplasmic reticulum. Note=Could be recruited to the cytosolic face of the endoplasmic reticulum membrane through its interaction with ALG14

ALG13 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ALG13 Antibody (Center) - Images



ALG13 Antibody (Center) (Cat. #AP17892c) western blot analysis in mouse spleen tissue lysates (35ug/lane). This demonstrates the ALG13 antibody detected the ALG13 protein (arrow).

ALG13 Antibody (Center) - Background

The protein encoded by this gene is a subunit of a bipartite UDP-N-acetylglucosamine transferase. It heterodimerizes with asparagine-linked glycosylation 14 homolog to form a functional UDP-GlcNAc glycosyltransferase that catalyzes the second sugar addition of the highly conserved oligosaccharide precursor in endoplasmic reticulum N-linked glycosylation. Multiple transcript variants encoding different isoforms have been found for this gene.

ALG13 Antibody (Center) - References

Averbeck, N., et al. J. Biol. Chem. 282(40):29081-29088(2007)

Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005)
Gao, X.D., et al. J. Biol. Chem. 280(43):36254-36262(2005)
Epplen, C., et al. Hum. Genet. 93(1):35-41(1994)