

## Anti-GLCNE Antibody (4K747)

## Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 79 kDa. Actual: 75 kDa.
Clone:	4K747
Purification:	Protein A purified

## Applications

Verified Activity:	25 ug total protein per lane of various lysates (see on figure) probed with GLCNE monoclonal antibody, unconjugated (TMAB-06500) at 1: 1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
Application:	WB,ICC/IF
Recommended	WB: 1:500-2000; ICC/IF: 1:50-200

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	A synthesized peptide: human GNE
Antigen Species:	Human
Gene ID:	10020
Uniprot ID:	Q9Y223

## Research Background

Bifunctional enzyme that possesses both UDP-N-acetylglucosamine 2-epimerase and N-acetylmannosamine kinase activities, and serves as the initiator of the biosynthetic pathway leading to the production of N-acetylneuraminic acid (NeuAc), a critical precursor in the synthesis of sialic acids. By catalyzing this pivotal and rate-limiting step in sialic acid biosynthesis, this enzyme assumes a pivotal role in governing the regulation of cell surface sialylation.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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