

Anti-COLGALT1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 69 kDa. Actual: 68 kDa.
Purification:	Protein A purified

Applications

Sample:	Lane 1: Mouse Placenta tissue lysates Lane 2: Mouse Liver tissue lysates Lane 3: Rat Placenta tissue lysates Lane 4: Rat Spleen tissue lysates
Verified Activity:	Lane 5: Rat Liver tissue lysates Lane 6: Human THP-1 cell lysates Primary: Anti-COLGALT1 (TMAB-04518) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 69 kDa Observed band size: 68 kDa
Application:	WB,ELISA,ICC/IF
Recommended	WB: 1:500-2000; ELISA: 1:5000-10000; 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:	KLH conjugated synthetic peptide: human GLT25D1
Antigen Species:	Human
Gene ID:	79709
Uniprot ID:	Q8NBJ5

Research Background

GLT25D1 is a 622 amino acid protein that localizes to the lumen of the endoplasmic reticulum. Ubiquitously expressed with higher levels in placenta, heart, lung and spleen, GLT25D1 is a member of the glycosyltransferase 25 family. The beta-galactosyltransferase activity of GLT25D1 allows the transfer of beta-galactose to hydroxylysine residues of collagen. GLT25D1 is considered an important target for investigating the biological significance of collagen glycosylation and the importance of posttranslational modification in the etiology of connective tissue disorders. The gene encoding GLT25D1 is located on human chromosome 19, which consists of over 63 million bases, houses approximately 1,400 genes and is recognized for having the greatest gene density of the human chromosomes.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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