

Anti-GCNT2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Rat(predicted:Mouse,Horse)
Molecular Weight:	Theoretical: 46 kDa. Actual: 46 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Placenta (Mouse) Lysate at 40 µg Primary: Anti-GCNT2 at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46 kD Observed band size: 56 kD
	2. Sample: Lane 1: Rat Cerebrum tissue lysates Lane 2: Human A431 cell lysates Primary: Anti-GCNT2 (TMAB-06394) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46 kDa Observed band size: 46 kDa
Application:	WB
Recommended	WB: 1:500-2000

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 GCNT2
Antigen Species:	Human
Gene ID:	2651
Uniprot ID:	Q8N0V5

Research Background

Belonging to the glycosyltransferase 14 family, GCNT2 (glucosaminyl (N-acetyl) transferase 2, I-branching enzyme (I blood group)), also known as II, N-acetylglucosaminyltransferase, IGNT, CCAT, ULG3, GCNT5, GCNT2C or NACGT1, is a 400 amino acid glycosyltransferase that localizes to the Golgi apparatus. Other members of the glycosyltransferase 14 family include GCNT1, GCNT3, GCNT4, GCNT6 and GCNT7. A single-pass type II membrane protein, GCNT2 functions as a branching enzyme known as beta-1,6-N-acetylglucosaminyltransferase, which converts fetal I antigen to adult I antigen in erythrocytes during embryonic development. With expression levels increasing significantly during oncogenesis and development, GCNT2 is found at highest levels in adult prostate and fetal

brain, and is found at low levels in heart, small intestine, colon, brain, pancreas and kidney.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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