

## Anti-GALNT10 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Chicken,Pig,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 69 kDa. Actual: 69 kDa.
Purification:	Protein A purified

## Applications

Sample:	MCF-7 (Human) Cell Lysate at 40 µg Hela (Human) Cell Lysate at 40 µg
Verified Activity:	Primary: Anti-GALN10 (TMAB-06305) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 69 kD Observed band size: 69 kD
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 GALNT10/GalNAc-T10
Antigen Species:	Human
Gene ID:	55568
Uniprot ID:	Q86SR1

## Research Background

The UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAc-T) family of enzymes are substrate-specific proteins that catalyze the transfer of GalNAc (N-acetylgalactosaminyl) to serine and threonine residues of various proteins, thereby initiating mucin-type O-linked glycosylation in the Golgi apparatus. GalNAc-T10 (Polypeptide N-acetylgalactosaminyltransferase 10), also known as UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 10, is a 603 amino acid single-pass type II membrane protein that prefers Muc5Ac and EA2 peptide substrates. The N-terminal domain is involved in substrate binding and manganese coordination, while the C-terminal domain is involved in UDP-Gal binding and catalytic reaction. GalNAc-T10 is widely expressed, with highest levels found in small intestine. There are four isoforms of GalNAc-T10 that are produced as a result of alternative splicing events.

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

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