

Datasheet for ABIN7602274
anti-GALNT7 antibody (AA 67-657)



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Overview

Quantity:	100 µg
Target:	GALNT7
Binding Specificity:	AA 67-657
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GALNT7 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Purpose:	Anti-GALNT7 Antibody Picoband®
Immunogen:	E.coli-derived human GALNT7 recombinant protein (Position: K67-V657). Human GALNT7 shares 95.6% and 95.8% amino acid (aa) sequence identity with mouse and rat GALNT7, respectively.
Characteristics:	Anti-GALNT7 Antibody Picoband® (ABIN7602274). Tested in WB, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	GALNT7
Alternative Name:	GALNT7 (GALNT7 Products)
Background:	This gene encodes GalNAc transferase 7, a member of the GalNAc-transferase family. The enzyme encoded by this gene controls the initiation step of mucin-type O-linked protein glycosylation and transfer of N-acetylgalactosamine to serine and threonine amino acid residues. This enzyme is a type II transmembrane protein and shares common sequence motifs with other family members. Unlike other family members, this enzyme shows exclusive specificity for partially GalNAc-glycosylated acceptor substrates and shows no activity with non-glycosylated peptides. This protein may function as a follow-up enzyme in the initiation step of O-glycosylation.
Molecular Weight:	75 kDa
Gene ID:	51809

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat ELISA, 0.1-0.5 µg/mL, - 1. Bennett, E. P., Hassan, H., Hollingsworth, M. A., Clausen, H. A novel human UDP-N-acetyl-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase, GalNAc-T7, with specificity for partial GalNAc-glycosylated acceptor substrates. FEBS Lett. 460: 226-230, 1999. 2. Gaziel-Sovran, A., Segura, M. F., Di Micco, R., Collins, M. K., Hanniford, D., Vega-Saenz de Miera, E., Rakus, J. F., Dankert, J. F., Shang, S., Kerbel, R. S., Bhardwaj, N., Shao, Y., Darvishian, F., Zavadil, J., Erlebacher, A., Mahal, L. K., Osman, I., Hernando, E. miR-30b/30d regulation of GalNAc transferases enhances invasion and immunosuppression during metastasis. Cancer Cell 20: 104-118, 2011. 3. Peng, C., Togayachi, A., Kwon, Y.-D., Xie, C., Wu, G., Zou, X., Sato, T., Ito, H., Tachibana, K., Kubota, T., Noce, T., Narimatsu, H., Zhang, Y. Identification of a novel human UDP-GalNAc transferase with unique catalytic activity and expression profile. Biochem. Biophys. Res. Commun. 402: 680-686, 2010.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.