

GALNT7 Polyclonal Antibody

Catalog Number PA5-21719

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Type	Antibody	Western Blot (WB)	1:5,000-1:20,000
Immunogen	Recombinant fragment corresponding to a region within amino acids 24 and 515 of GALNT7 (Uniprot ID#Q86SF2)	Immunocytochemistry (ICC/IF)	1:100-1:1,000
Conjugate	Unconjugated	<div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div>	
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	0.1M tris glycine, pH 7, with 10% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: 293T, A431, H1299, HeLaS3, HepG2, Molt-4, Raji, mouse brain. Predicted reactivity: Mouse (96%), Rat (96%), Zebrafish (82%), Xenopus laevis (84%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

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.

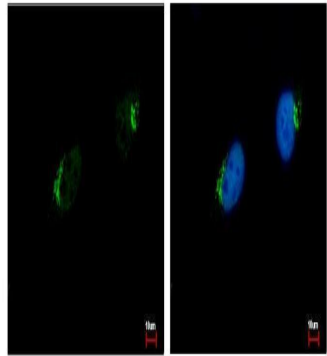
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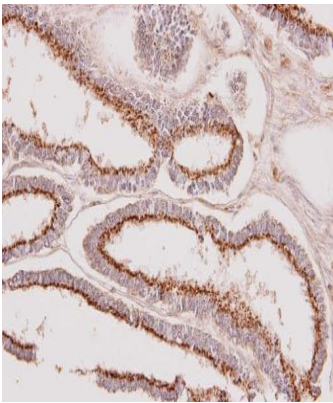
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Product Images For GALNT7 Polyclonal Antibody



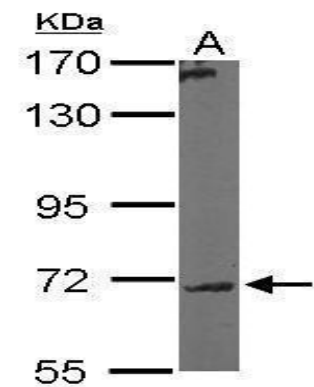
GALNT7 Antibody (PA5-21719) in ICC/IF

GALNT7 Polyclonal Antibody detects GALNT7 protein at Golgi apparatus by immunofluorescent analysis. Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: GALNT7 protein stained by GALNT7 Polyclonal Antibody (Product # PA5-21719) diluted at 1:500. Blue: Hoechst 33343 staining.



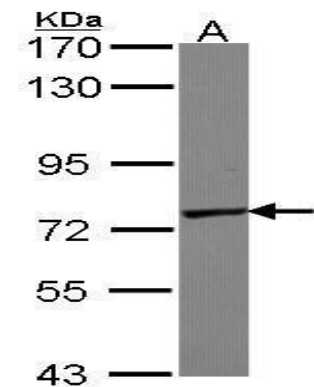
GALNT7 Antibody (PA5-21719) in IHC (P)

Immunohistochemical analysis of paraffin-embedded human endometrial cancer, using GALNT7 (Product # PA5-21719) antibody at 1:100 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



GALNT7 Antibody (PA5-21719) in WB

Western Blot using GALNT7 Polyclonal Antibody (Product # PA5-21719). Sample (50 µg of whole cell lysate). Lane A: Mouse brain. 7.5% SDS PAGE. GALNT7 Polyclonal Antibody (Product # PA5-21719) diluted at 1:5,000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



GALNT7 Antibody (PA5-21719) in WB

Western Blot using GALNT7 Polyclonal Antibody (Product # PA5-21719). Sample (30 µg of whole cell lysate). Lane A: A431. 7.5% SDS PAGE. GALNT7 Polyclonal Antibody (Product # PA5-21719) diluted at 1:10,000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.

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