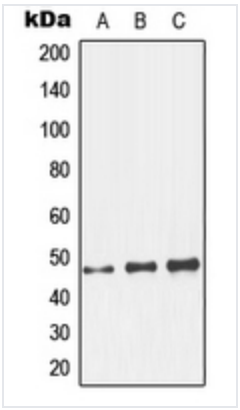
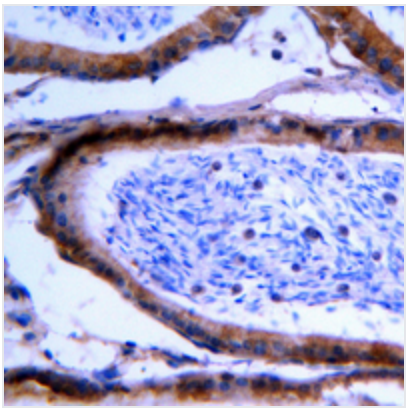
GCNT7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

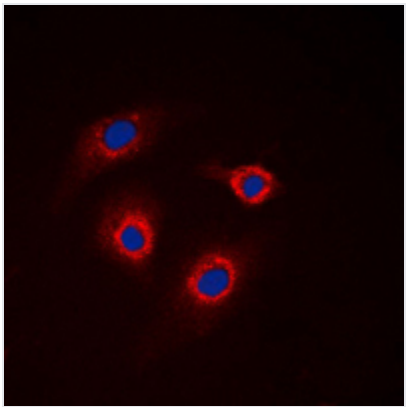
Product Name	GCNT7, Polyclonal Antibody
Full Product Name	Rabbit anti-GCNT7 Antibody
Product Gene Name	anti-GCNT7 antibody
Product Synonym Names	C20orf105; Beta-1, 3-galactosyl-O-glycosyl-glycoprotein beta-1, 6-N-acetylglucosaminyltransferase 7
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	49,319 Da
Chromosome Location	Chromosome: 20; NC_000020.10 (55066548..55100981, complement). Location: 20q13.2
3D Structure	ModBase 3D Structure for Q6ZNI0
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human GCNT7. The exact sequence is proprietary.
Product Categories/Family for anti-GCNT7 antibody	Primary antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-GCNT7 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochemistry (IC)
Application Notes for anti-GCNT7 antibody	WB: 1:500-1:1000 IHC: 1:100-1:200 IF:IC: 1:100-1:500
Related Product Information for anti-GCNT7 antibody	MBS4510859 is an antibody targeting GCNT7. Also known as Rabbit anti-GCNT7 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-GCNT7 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-GCNT7 antibody
Western blot analysis of GCNT7 expression in HeLa (A), mouse kidney (B), rat kidney (C) whole cell lysates.



Immunohistochemistry (IHC) of anti-GCNT7 antibody
Immunohistochemical analysis of GCNT7 staining in human testis formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescence (IF) of anti-GCNT7 antibody
Immunofluorescent analysis of GCNT7 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GCNT7. It may not necessarily be applicable to this product.

NCBI GI #	190684701
NCBI GeneID	140687
NCBI Accession #	NP_542182.1
UniProt Primary Accession #	Q6ZNI0
UniProt Secondary Accession #	Q3V3K7
UniProt Related Accession #	Q6ZNI0
GenBank Nucleotide #	NM_080615.1
NCBI Official Full Name	beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 7
NCBI Official Synonym Full Names	glucosaminyl (N-acetyl) transferase family member 7
NCBI Official Symbol	GCNT7

NCBI Official Synonym Symbols	gcnt; C20orf105; dJ1153D9.2
UniProt Protein Name	Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 7
Protein Family	Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase
UniProt Gene Name	GCNT7
UniProt Synonym Gene Names	C20orf105
UniProt Entry Name	GCNT7_HUMAN
NCBI Protein Information	beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 7; beta 1,6-N-acetylglucosaminyltransferase
UniProt Comments for GCNT7	GCNT7: Glycosyltransferase. Belongs to the glycosyltransferase 14 family. Protein type: Transferase; Membrane protein, integral; EC 2.4.1.- Chromosomal Location of Human Ortholog: 20q13.2 Cellular Component: Golgi membrane; integral to membrane Molecular Function: acetylglucosaminyltransferase activity Biological Process: protein amino acid glycosylation
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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