



Rabbit Anti-GALNT14 antibody

SL11018R

Product Name:	GALNT14
Chinese Name:	GalNAc-T14抗体
Alias:	GalNAc T14; GalNAc-T14; Galnt14; GALNT14; GalNac-T10; GALNT15; pp-GaNTase 14; GLT14_HUMAN; Polypeptide GalNAc transferase 14; Polypeptide N acetylgalactosaminyltransferase 14; Polypeptide N-acetylgalactosaminyltransferase 14; pp GaNTase 14; Protein UDP acetylgalactosaminyltransferase 14; Protein-UDP acetylgalactosaminyltransferase 14; UDP GalNAc:polypeptide N acetylgalactosaminyltransferase 14; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 14.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	64kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GALNT14:101-200/552
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a Golgi protein which is a member of the polypeptide N-

acetylgalactosaminyltransferase (ppGalNAc-Ts) protein family. These enzymes catalyze the transfer of N-acetyl-D-galactosamine (GalNAc) to the hydroxyl groups on serines and threonines in target peptides. The encoded protein has been shown to transfer GalNAc to large proteins like mucins. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011].

Function:

Catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Displays activity toward mucin-derived peptide substrates such as Muc2, Muc5AC, Muc7, and Muc13 (-58). May be involved in O-glycosylation in kidney.

Subcellular Location:

Golgi apparatus membrane; Single-pass type II membrane protein.

Tissue Specificity:

Highly expressed in fetal and adult kidney. Widely expressed at low level. Weakly expressed in whole brain, cerebellum, thymus, lung, mammary gland, liver, stomach, small intestine, colon, pancreas, spleen, bladder, uterus, placenta, testis, ovary, skeletal muscle, leukocyte, B-cell, bone marrow, fetal brain, fetal thymus, fetal lung, fetal liver, fetal small intestine, fetal spleen, fetal skeletal and fetus.

Similarity:

Belongs to the glycosyltransferase 2 family. GalNAc-T subfamily. Contains 1 ricin B-type lectin domain.

SWISS:
Q96FL9

Gene ID:
79623

Database links:

[Entrez Gene: 79623](#)Human

[Entrez Gene: 71685](#)Mouse

[Entrez Gene: 313878](#)Rat

[Omir: 608225](#)Human

[SwissProt: Q96FL9](#)Human

[SwissProt: Q8BVG5](#)Mouse

[Unigene: 468058](#)Human

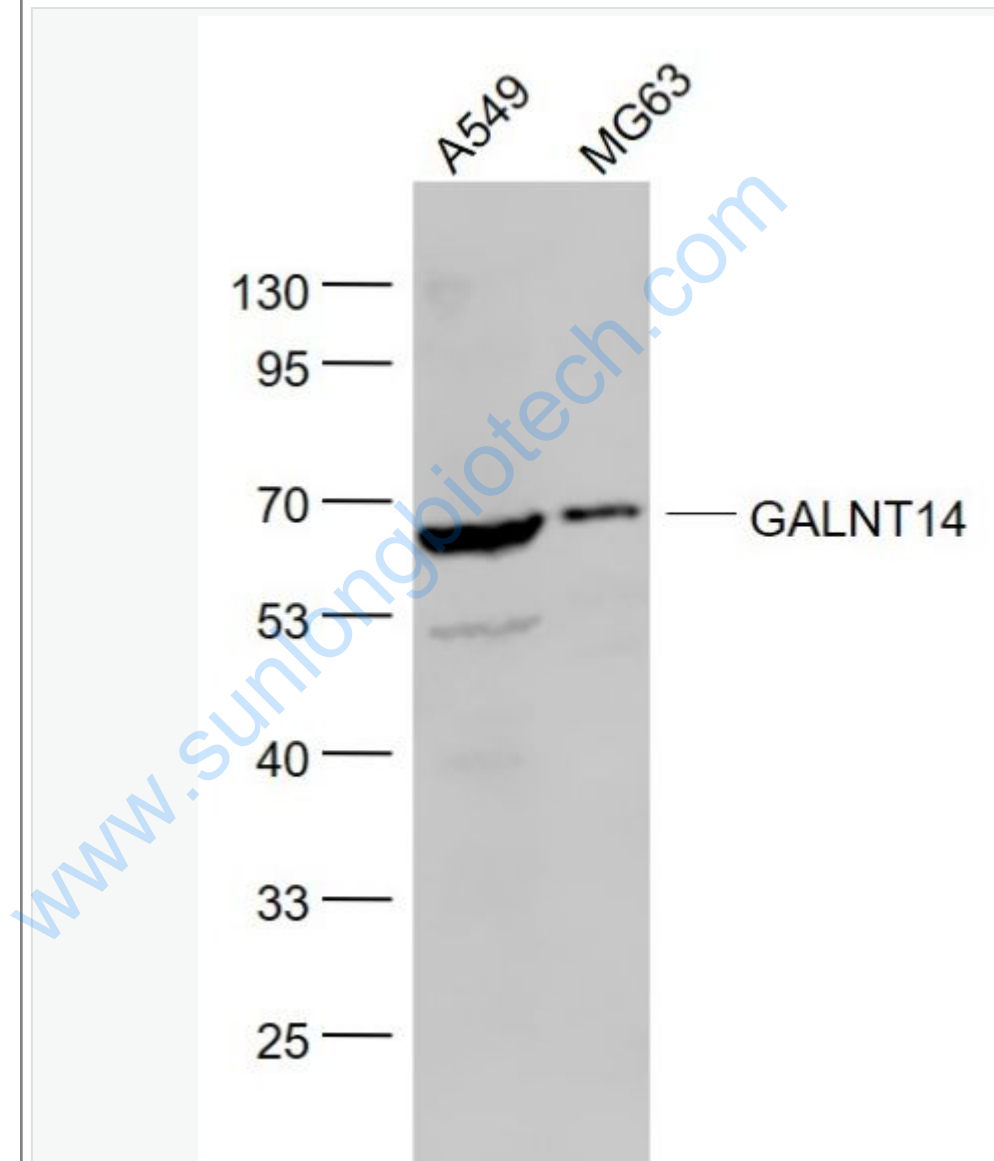
[Unigene: 271953](#)Mouse

[Unigene: 24642](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

A549(Human) Cell Lysate at 30 ug

MG63(Human) Cell Lysate at 30 ug

Primary: Anti- GALNT14 (SL11018R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 64 kD

Observed band size: 66 kD

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