

Rabbit anti-Human GALNT2 Polyclonal Antibody | anti-GALNT2 antibody

Anti-GALNT2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255693	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

GALNT2; Polyclonal Antibody; Anti-GALNT2 Antibody; Rabbit Polyclonal; GALNT2/GalNAc-T2 Antibody; Rabbit PAb; Antigen Affinity Purified; polypeptide N-acetylgalactosaminyltransferase 2; Anti-GalNAc-T2 Antibody; anti-GALNT2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human GALNT2/GalNAc-T2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-GALNT2 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human GALNT2/GalNAc-T2 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human GALNT2/GalNAc-T2 (rh GALNT2/GalNAc-T2). GALNT2/GalNAc-T2 specific IgG was purified by Human GALNT2/GalNAc-T2 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

GALNT2 was immunoprecipitated using: Lane A: 0.5 mg A549 Whole Cell Lysate; Lane B: 0.5 mg HeLa Whole Cell Lysate; Lane C: 0.5 mg U87MG Whole Cell Lysate. 4 uL anti-GALNT2 rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-GALNT2 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: DyLight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 71 kDa. Observed band size: 71 kDa.



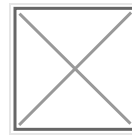
IF (Immunofluorescence)

Immunofluorescence staining of GALNT2 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human GALNT2 polyclonal antibody (1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human GALNT2 in human brain with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



WB (Western Blot)

Anti-GALNT2 rabbit polyclonal antibody at 1:500 dilution Lane A: A549 Whole Cell Lysate Lane B: Hela Whole Cell Lysate Lane C: U87MG Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti- Rabbit & IgG H&L (Dylight 800) & at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 65 kDa Observed band size: 65 kDa (We are unsure as to the identity of these extra bands).

ADDITIONAL INFORMATION

Related Product Information for anti-GALNT2 antibody	GALNT2, also known as GalNAc-T2, is a member of the GalNAc-transferases family. Members of this family transfer an N-acetyl galactosamine to the hydroxyl group of a serine or threonine residue in the first step of O-linked oligosaccharide biosynthesis. GALNT2 may play a role in lipid metabolism. It 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. GALNT2 has a broad spectrum of substrates for peptides such as EA2, Muc5AC, Muc1a, Muc1b.
References	Bennett EP. et al., 1998, Glycobiology. 8 (6): 547-55. White T. et al., 1995, J Biol Chem. 270 (41): 24156-65. Bennett EP. et al., 1996, J Biol Chem. 271 (29): 17006-12. Holleboom AG. et al., 2011, Cell Metab. 14 (6): 811-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758412
NCBI GeneID	2590
NCBI Accession #	NP_004472.1
NCBI GenBank Nucleotide #	NM_004481.4
UniProt Accession #	Q10471; Q9NPY4; A8K1Y3; B7Z8V8; C5HU00
Molecular Weight	30,256 Da
NCBI Official Full Name	polypeptide N-acetylgalactosaminyltransferase 2
NCBI Official Synonym Full Names	polypeptide N-acetylgalactosaminyltransferase 2
NCBI Official Symbol	GALNT2
NCBI Official Synonym Symbols	GalNAc-T2
NCBI Protein Information	polypeptide N-acetylgalactosaminyltransferase 2
UniProt Protein Name	Polypeptide N-acetylgalactosaminyltransferase 2
UniProt Gene Name	GALNT2
UniProt Synonym Gene Names	GalNAc-T2; pp-GaNTase 2
UniProt Entry Name	GALT2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/galnt2-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/255693>