

GAL3ST4 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12993c**Specification**

GAL3ST4 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O96RP7
Other Accession	NP_078913.3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	54166
Antigen Region	201-230

GAL3ST4 Antibody (Center) - Additional Information**Gene ID** 79690**Other Names**

Galactose-3-O-sulfotransferase 4, Gal3ST-4, 282-, Beta-galactose-3-O-sulfotransferase 4, Gal-beta-1, 3-GalNAc 3'-sulfotransferase, GAL3ST4

Target/Specificity

This GAL3ST4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 201-230 amino acids from the Central region of human GAL3ST4.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GAL3ST4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

GAL3ST4 Antibody (Center) - Protein Information**Name** GAL3ST4

Function Catalyzes the transfer of sulfate to beta-1,3-linked galactose residues in O-linked glycoproteins. Good substrates include asialofetuin, Gal-beta-1,3-GalNAc and Gal-beta-1,3 (GlcNAc-beta-1,6)GalNAc.

Cellular Location

Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein

Tissue Location

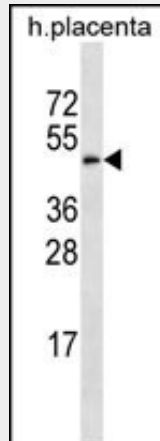
Expressed mainly in placenta, thymus, testis, ovary, spinal cord, trachea and adrenal gland and at low levels in brain, lung, spleen, prostate, small intestine, colon, stomach thyroid and lymph node.

GAL3ST4 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GAL3ST4 Antibody (Center) - Images



GAL3ST4 Antibody (Center) (Cat. #AP12993c) western blot analysis in human placenta tissue lysates (35ug/lane). This demonstrates the GAL3ST4 antibody detected the GAL3ST4 protein (arrow).

GAL3ST4 Antibody (Center) - Background

This gene encodes a member of the galactose-3-O-sulfotransferase protein family. The product of this gene catalyzes sulfonation by transferring a sulfate to the C-3' position of galactose residues in O-linked glycoproteins. This enzyme is highly specific for core 1 structures, with asialofetuin, Gal-beta-1,3-GalNAc and Gal-beta-1,3 (GlcNAc-beta-1,6)GalNAc being good substrates.

GAL3ST4 Antibody (Center) - References

Wan, D., et al. Proc. Natl. Acad. Sci. U.S.A. 101(44):15724-15729(2004)
Chandrasekaran, E.V., et al. J. Biol. Chem. 279(11):10032-10041(2004)
Seko, A., et al. J. Biol. Chem. 276(28):25697-25704(2001)