10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GAL3ST2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56178

Specification

GAL3ST2 Polyclonal Antibody - Product Information

Application	**IHC-P, IHC-F, IF, ICC, E**
Primary Accession	Q9H3Q3
Reactivity	**Rat, Pig, Dog, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**46 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human GAL3ST2**
Epitope Specificity	**1-100/398**
Isotype	**IgG**

Purity
affinity purified by Protein A

Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Golgi apparatus; Golgi stack membrane.**
SIMILARITY	**Belongs to the galactose-3-O-sulfotransferase family.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
This gene encodes a member of the galactose-3-O-sulfotransferase protein family. The product of this gene catalyzes sulfonation by transferring a sulfate group to the hydroxyl at C-3 of nonreducing beta-galactosyl residues, and it can act on both type 1 and type 2 (Galbeta 1-3/1-4GlcNAc-R) oligosaccharides with similar efficiencies, and on core 1 glycans. This enzyme has been implicated in tumor metastasis processes. This gene is different from the GAL3ST3 gene located on chromosome 11, which has also been referred to as GAL3ST2 and encodes a related enzyme with distinct tissue distribution and substrate specificities, compared to galactose-3-O-sulfotransferase 2. [provided by RefSeq, Jul 2008]

GAL3ST2 Polyclonal Antibody - Additional Information

Gene ID 64090

Other Names
Galactose-3-O-sulfotransferase 2, Gal3ST-2, 2.8.2.-, Beta-galactose-3-O-sulfotransferase 2, Gal-beta-1, 3-GalNAc 3'-sulfotransferase 2, Glycoprotein beta-Gal 3'-sulfotransferase 2, GAL3ST2, GP3ST

Target/Specificity
Ubiquitous. Detected in heart, stomach, colon, liver and spleen, in epithelial cells lining the lower

to middle layer of the crypts in colonic mucosa, hepatocytes surrounding the central vein of the liver, extravillous cytotrophoblasts in the basal plate of the septum of the placenta, renal tubules of the kidney, and neuronal cells of the cerebral cortex.

Dilution
IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. 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 ℃.

GAL3ST2 Polyclonal Antibody - Protein Information

Name GAL3ST2

Synonyms GP3ST

Function
Transfers a sulfate group to the hydroxyl group at C3 of non- reducing beta-galactosyl residues. Acts both on type 1 (Gal-beta-1,3- GlcNAc) and type 2 (Gal-beta-1,4-GlcNAc) chains with similar efficiency.

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

Tissue Location
Ubiquitous. Detected in heart, stomach, colon, liver and spleen, in epithelial cells lining the lower to middle layer of the crypts in colonic mucosa, hepatocytes surrounding the central vein of the liver, extravillous cytotrophoblasts in the basal plate of the septum of the placenta, renal tubules of the kidney, and neuronal cells of the cerebral cortex.

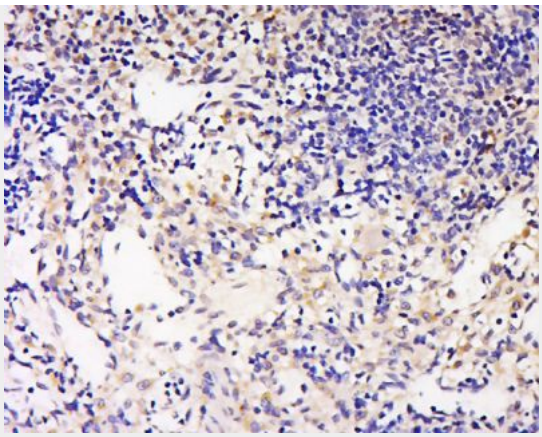
GAL3ST2 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GAL3ST2 Polyclonal Antibody - Images

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



Tissue/cell: Rat spleen tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-GAL3ST2 Polyclonal Antibody, Unconjugated(bs-16214R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining