

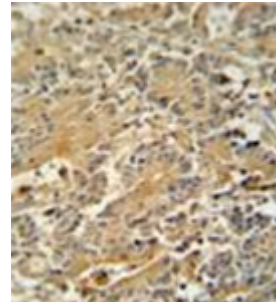
Polyclonal Antibody to GAL3ST2 (C-term) - Aff - Purified

Alternate names:	GP3ST, Galactose-3-O-sulfotransferase 2
Catalog No.:	AP51761PU-N
Quantity:	0.4 ml
Concentration:	lot specific
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 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.
Uniprot ID:	Q9H3Q3
NCBI:	NP_071417
GeneID:	64090
Host / Isotype:	Rabbit / Ig
Immunogen:	KLH conjugated synthetic peptide between 293-321 amino acids from the C-terminal region of human GAL3ST2
Format:	State: Liquid purified Ig fraction Purification: Protein A column, followed by peptide affinity purification Buffer System: PBS containing 0.09% (W/V) Sodium Azide as preservative
Applications:	ELISA: 1/1000. Western Blot: 1/100-1/500. Flow Cytometry: 1/10-1/50. Immunohistochemistry on Paraffin Sections: 1/50-1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes Human and Hamster GAL3ST2 (C-term).
Add. Information:	Molecular Weight: 46110 Da
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Seko, A., et al. Biochem. J. 391 (PT 1), 77-85 (2005) Shi, B.Z., et al. Biochem. Biophys. Res. Commun. 332(4):934-940(2005) Chandrasekaran, E.V., et al. J. Biol. Chem. 279(11):10032-10041(2004)

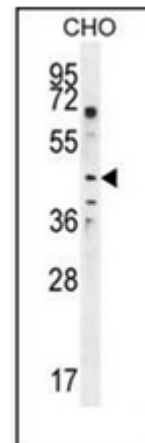
Seko, A., et al. Jpn. J. Cancer Res. 93(5):507-515(2002)
 Koma, M., et al. J. Biochem. 131(4):517-522(2002)

Pictures:

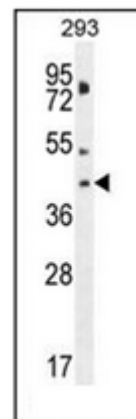
Immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma reacted with GAL3ST2 Antibody (C-term) Cat.-No AP51761PU-N followed by peroxidase conjugation of the secondary antibody and DAB staining.



Western blot analysis of GAL3ST2 Antibody (C-term) Cat.-No AP51761PU-N in CHO cell line lysates (35ug/lane). This demonstrates the GAL3ST2 antibody detected the GAL3ST2 protein (arrow).



Western blot analysis of GAL3ST2 Antibody (C-term) Cat.-No AP51761PU-N in 293 cell line lysates (35ug/lane). This demonstrates the GAL3ST2 antibody detected the GAL3ST2 protein (arrow).



Flow cytometric analysis of 293 cells using GAL3ST2 Antibody (C-term) Cat.-No AP51761PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

