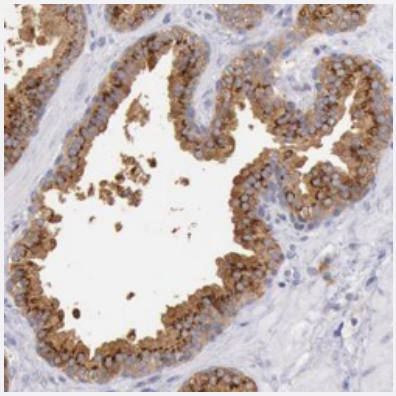
GAL3ST1 polyclonal antibody

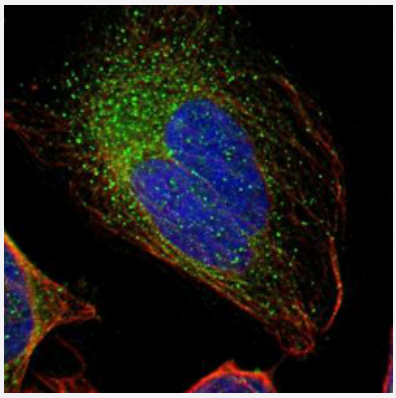
Catalog # PAB28396 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human prostate with GAL3ST1 polyclonal antibody (Cat # PAB28396) shows strong granular cytoplasmic positivity in glandular cells.



Immunofluorescence

Immunofluorescence of U-2 OS cell line with GAL3ST1 polyclonal antibody (Cat # PAB28396) shows positivity in vesicles. Fixation/Permeabilization: PFA/Triton X-100

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant GAL3ST1.
Immunogen	Recombinant protein corresponding to human GAL3ST1.
Sequence	LLNILFRFGQKHRLKFAFPNGRNDFDYPTFFARSLVQDYRPGACFNIICNHMRFHYDEVRGLVPTN AIFITVLRDPARLFESSFHYFGPVVPLTWKLSAGDKLTEFLQDPDRYYDPNGFNAHYLRNLLFFDL GYDNSLDPSSPQVQEHIL
Host	Rabbit

Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-1:50) Immunofluorescence (1-4 ug/ml) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4 °C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunofluorescence

  Immunofluorescence of U-2 OS cell line with GAL3ST1 polyclonal antibody (Cat # PAB28396) shows positivity in vesicles. Fixation/Permeabilization: PFA/Triton X-100

Gene Info — GAL3ST1

Entrez GeneID	9514
Protein Accession#	C9J6M2
Gene Name	GAL3ST1
Gene Alias	CST
Gene Description	galactose-3-O-sulfotransferase 1
Omim ID	602300
Gene Ontology	Hyperlink

Gene Summary	Sulfonation, an important step in the metabolism of many drugs, xenobiotics, hormones, and neurotransmitters, is catalyzed by sulfotransferases. The product of this gene is galactosylceramide sulfotransferase which catalyzes the conversion between 3'-phosphoadenylylsulfate + a galactosylceramide to adenosine 3',5'-bisphosphate + galactosylceramide sulfate. Activity of this sulfotransferase is enhanced in renal cell carcinoma. [provided by RefSeq
Other Designations	GalCer sulfotransferase|cerebroside (3'-phosphoadenylylsulfate:galactosylceramide 3') sulfotransferase

Pathway

- Metabolic pathways
- Sphingolipid metabolism