SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-GAL3ST4 antibody

Catalog Number: SL16215R

FOR RESEARCH USE ONLY

[DATASHEET]

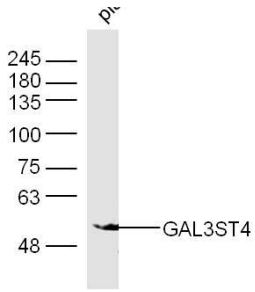
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GAL3ST4
Immunogen:	KLH conjugated synthetic peptide derived from human GAL3ST4: 401-486/486
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse, Rat, (predicted: Human, Dog, Pig, Cow, Horse, Sheep)
Predicted MW.:	54kDa
Subcellular Location:	cytoplasmic
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. [provided by RefSeq, Jul 2008] **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. **Subcellular Location:** Golgi apparatus; Golgi stack membrane. **Tissue Specificity:** Expressed mainly in placenta, thymus, testis, ovary, spinal

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

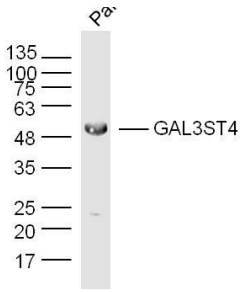
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	cord, trachea and adrenal gland and at low levels in brain, lung, spleen, prostate, small intestine, colon, stomach thyroid and lymph node. **Similarity:** Belongs to the galactose-3-O-sulfotransferase family. **Database links:** **Entrez Gene:** 79690 Human Omim: 608235 Human **SwissProt:** Q96RP7 Human **Unigene:** 44856 Human

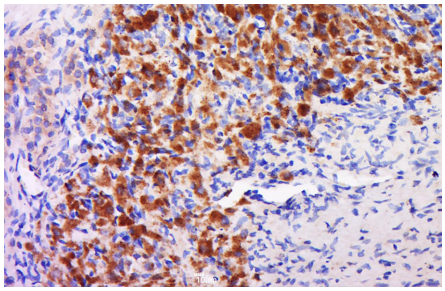
[VALIDATION IMAGES]



Sample: placenta (mouse) Lysate at 40 ug
Primary: Anti-GAL3ST4(SL16215R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 54 kD
Observed band size: 54 kD



Sample: pancreas (mouse) Lysate at 40 ug
Primary: Anti-GAL3ST4(SL16215R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 54 kD
Observed band size: 54 kD



Tissue/cell: Rat ovary tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, 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-GAL3ST4 Polyclonal Antibody, Unconjugated(SL16215R) 1:500, overnight at 4 2.C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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