



[Go to Product page](#)

Datasheet for ABIN6148536
anti-ST6GAL1 antibody (AA 27-200)

3 Images

1 Publication

Overview

Quantity:	100 µL
Target:	ST6GAL1
Binding Specificity:	AA 27-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ST6GAL1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 27-200 of human ST6GAL1 (NP_775323.1).
Sequence:	KEKKKGSYYD SFKLQTKEFQ VLKSLGKLAM GSDSQSVSSS STQDPHRGRQ TLGSLRGLAK AKPEASFQVW NKDSSSKNLI PRLQKIWKNY LSMNKYKVSY KGPGPGIKFS AEALRCHLRD HVNVMVEVT DFPFNTSEWE GYLPKESIRT KAGPWGRCAV VSSAGSLKSS QLGR
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	ST6GAL1
---------	---------

Target Details

Alternative Name:	ST6GAL1 (ST6GAL1 Products)
Background:	This gene encodes a member of glycosyltransferase family 29. The encoded protein is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The protein, which is normally found in the Golgi but can be proteolytically processed to a soluble form, is involved in the generation of the cell-surface carbohydrate determinants and differentiation antigens HB-6, CD75, and CD76. This gene has been incorrectly referred to as CD75. Three transcript variants encoding two different isoforms have been described.,ST6GAL1,SIAT1,ST6GalI,ST6N,Signal Transduction,Immunology & Inflammation,ST6GAL1
Molecular Weight:	20 kDa/46 kDa
Gene ID:	6480
UniProt:	P15907

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:100,IF,1:50 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Publications

Product cited in:	Liu, Zhang, Su, Wang, Liu, Kong: "Effects of cholecalciferol cholesterol emulsion on renal fibrosis and aquaporin 2 and 4 in mice with unilateral ureteral obstruction." in: Biomedicine & pharmacotherapy , Vol. 102, pp. 633-638, (2018) (PubMed).
-------------------	---

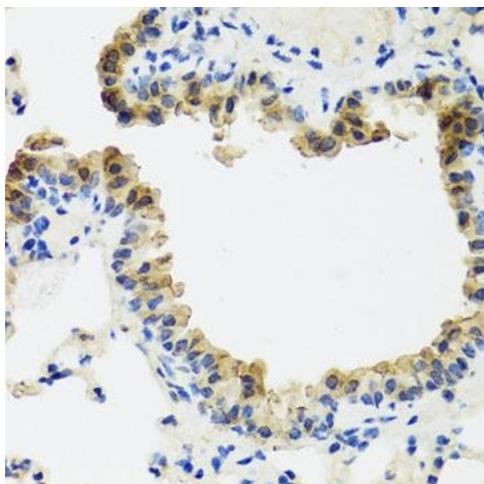
Xiong, Zhao, Lin, Yao, Huang, Yu, Dong, Xiao, Zhao, Cai et al.: "Phosphorylation of low density lipoprotein receptor-related protein 6 is involved in receptor for advanced glycation end product-mediated β -catenin stabilization in a toluene diisocyanate-induced ..." in: **International immunopharmacology**, Vol. 59, pp. 187-196, (2018) ([PubMed](#)).

Chen, Li: "Telbivudine attenuates UUO-induced renal fibrosis via TGF- β /Smad and NF- κ B signaling." in: **International immunopharmacology**, Vol. 55, pp. 1-8, (2018) ([PubMed](#)).

Zhao, Yin, Li, Fan, Yang, Chen, Wang: "MiR-30c protects diabetic nephropathy by suppressing epithelial-to-mesenchymal transition in db/db mice." in: **Aging cell**, Vol. 16, Issue 2, pp. 387-400, (2017) ([PubMed](#)).

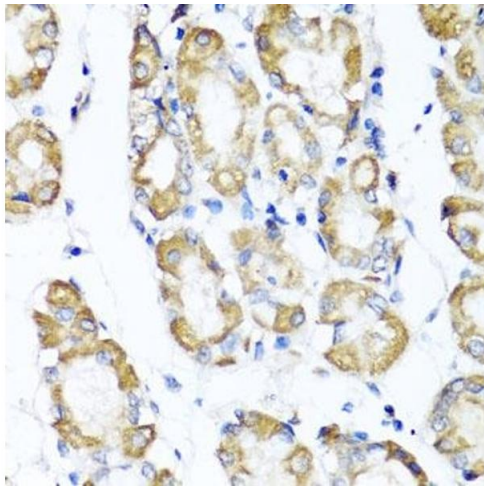
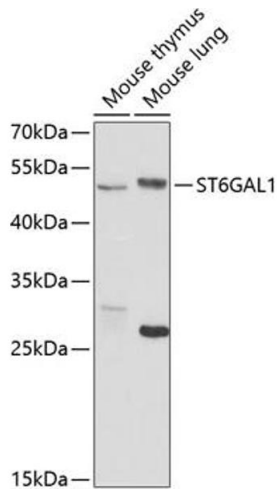
Xie, Chen, Hu, Pan, Wang, Li, Geng, Xu: "Premature senescence of cardiac fibroblasts and atrial fibrosis in patients with atrial fibrillation." in: **Oncotarget**, Vol. 8, Issue 35, pp. 57981-57990, (2017) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse lung using ST6G antibody (ABIN6130083, ABIN6148536, ABIN6148538 and ABIN6221427) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using ST6G antibody (ABIN6130083, ABIN6148536, ABIN6148538 and ABIN6221427) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST.

Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human stomach using ST6G antibody (ABIN6130083, ABIN6148536, ABIN6148538 and ABIN6221427) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.