

For Research Use Only

# ST3GAL4 Polyclonal antibody

Catalog Number: 13546-1-AP

6 Publications



## Basic Information

Catalog Number:

13546-1-AP

Size:

150ul, Concentration: 900 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3665

GenBank Accession Number:

BC010645

GeneID (NCBI):

6484

UNIPROT ID:

Q11206

Full Name:

ST3 beta-galactoside alpha-2,3-sialyltransferase 4

Calculated MW:

333 aa, 38 kDa

Observed MW:

36 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:20-1:200

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : HCT 116 cells, HeLa cells, HepG2 cells, MCF-7 cells

IHC : human testis tissue, human skin tissue

## Background Information

ST3GAL4, also known as CGS23, NANTA3 and SIAT4C, is a member of the glycosyltransferase 29 family. ST3GAL4 protein exists in multiple splice variants and is frequently modified by glycosylation. ST3GAL4 is expressed uniformly in tissues and organs during all stages of development, and the subcellular localization is currently not clear.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ming Yu	30220088	FEBS Lett	WB, IHC
Dachang Liu	35102149	Sci Rep	WB, IHC
Yinshuang Wu	33598419	Front Oncol	WB, IHC

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

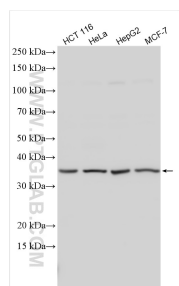
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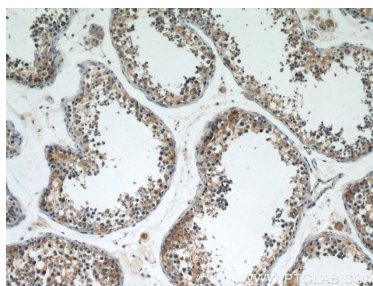
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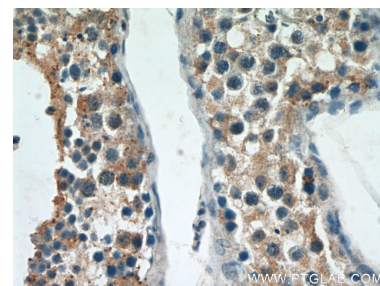
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13546-1-AP (ST3GAL4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis using 13546-1-AP (ST3GAL4 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis using 13546-1-AP (ST3GAL4 antibody) at dilution of 1:50 (under 40x lens).