

For Research Use Only

# ST6GALNAC1 Polyclonal antibody

Catalog Number: 15363-1-AP **4 Publications**



## Basic Information

<b>Catalog Number:</b> 15363-1-AP	<b>GenBank Accession Number:</b> BC022462	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 500 ug/ml	<b>GeneID (NCBI):</b> 55808	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NSC7	
<b>Isotype:</b> IgG	<b>Full Name:</b> ST6 (alpha-N-acetyl-neuraminy-2,3- beta-galactosyl-1,3)-N- acetylgalactosaminide alpha-2,6- sialyltransferase 1	
<b>Immunogen Catalog Number:</b> AG8062	<b>Calculated MW:</b> 69 kDa	
	<b>Observed MW:</b> 66-69 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IHC	WB : mouse colon tissue, mouse small intestine tissue, rat colon tissue, rat small intestine tissue
<b>Species Specificity:</b> human, mouse, rat	IHC : human skin tissue,
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

ST6GALNAC1 encodes a sialyltransferase that acts as a catalyst for the synthesis of cancer-related sialylTn (sTn) antigen critical for cell mobility. ST6GALNAC1 was overexpressed in gastric, breast and prostate cancer cell lines, inducing sTn expression.

## Notable Publications

Author	Pubmed ID	Journal	Application
Thomas G Biel	35402630	Mol Ther Methods Clin Dev	WB
Mohammed Saqif Ahmad	39348343	PLoS One	IHC
Xinyue Dong	39111624	J Adv Res	WB

## 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

For technical support and original validation data for this product please contact:

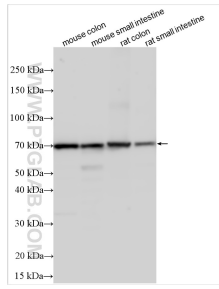
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

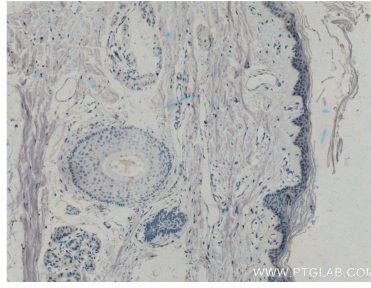
W: [ptgcn.com](http://ptgcn.com)

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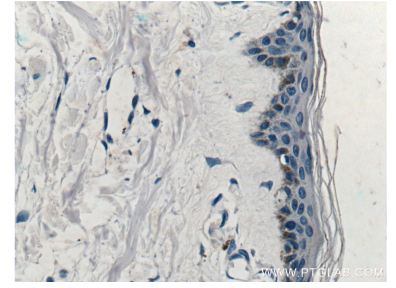
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15363-1-AP (ST6GALNAC1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 15363-1-AP (ST6GALNAC1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 15363-1-AP (ST6GALNAC1 Antibody) at dilution of 1:200 (under 40x lens).