

For Research Use Only

# B4GALT6 Recombinant monoclonal antibody

Catalog Number: 87222-2-RR



## Basic Information

|                                                                |                                                                                       |                                                       |
|----------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------|
| <b>Catalog Number:</b><br>87222-2-RR                           | <b>GenBank Accession Number:</b><br>BC074884                                          | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ul , Concentration: 1000 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>9331                                                         | <b>CloneNo.:</b><br>251395A11                         |
| <b>Source:</b><br>Rabbit                                       | <b>UNIPROT ID:</b><br>Q9UBX8                                                          | <b>Recommended Dilutions:</b><br>WB: 1:1000-1:4000    |
| <b>Isotype:</b><br>IgG                                         | <b>Full Name:</b><br>UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 6 |                                                       |
| <b>Immunogen Catalog Number:</b><br>AG13686                    | <b>Calculated MW:</b><br>382 aa, 45 kDa                                               |                                                       |
|                                                                | <b>Observed MW:</b><br>45-60 kDa                                                      |                                                       |

## Applications

|                                          |                                                             |
|------------------------------------------|-------------------------------------------------------------|
| <b>Tested Applications:</b><br>WB, ELISA | <b>Positive Controls:</b><br>WB : HEK-293 cells, A549 cells |
| <b>Species Specificity:</b><br>human     |                                                             |

## Background Information

B4GALT6 encodes for a type II membrane-bound glycoprotein, which plays a crucial role in lactosylceramide synthesis by transferring galactose from UDP-galactose to glucosylceramide. B4GALT6 in astrocytes boosts CNS inflammation and promote neurodegeneration during chronic CNS inflammation (PMID: 25216636). Abnormal interactions of glycosyltransferases/glycosidases such as B4GALT6 can cause imbalances in key glycosylation modifications, thereby driving the disease process through a triple cascade reaction (PMID: 41112602).

## Storage

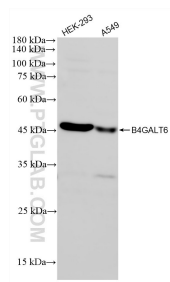
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

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

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87222-2-RR (B4GALT6 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.