

For Research Use Only

B4GALT6 Recombinant monoclonal antibody

Catalog Number: 87222-2-RR



Basic Information

Catalog Number: 87222-2-RR	GenBank Accession Number: BC074884	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 9331	CloneNo.: 251395A11
Isotype: IgG	UNIPROT ID: Q9UBX8	Recommended Dilutions: WB: 1:1000-1:4000
Immunogen Catalog Number: AG13686	Full Name: UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 6	
	Calculated MW: 382 aa, 45 kDa	
	Observed MW: 45-60 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293 cells, A549 cells
Species Specificity: 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

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

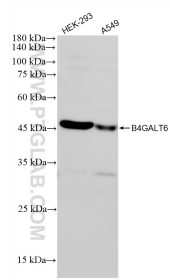
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Selected Validation Data



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.