

For Research Use Only

NEU2 Recombinant antibody

Catalog Number: 83934-1-RR



Basic Information

Catalog Number:	83934-1-RR	GenBank Accession Number:	BC107053	Purification Method:	Protein A purification
Size:	100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI):	4759	CloneNo.:	240685B3
Source:	Rabbit	UNIPROT ID:	Q9Y3R4	Recommended Dilutions:	WB 1:2000-1:16000 IHC 1:50-1:500
Isotype:	IgG	Full Name:	sialidase 2 (cytosolic sialidase)		
Immunogen Catalog Number:	AG17386	Calculated MW:	380 aa, 42 kDa		
		Observed MW:	42 kDa		

Applications

Tested Applications:	WB, IHC, ELISA	Positive Controls:	
Species Specificity:	human, mouse	WB :	mouse skeletal muscle tissue,
		IHC :	mouse skeletal muscle tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			

Background Information

NEU2, also named as Sialidase 2, neuraminidase 2, catalyzes the hydrolytic cleavage of the terminal sialic acid (N-acetylneuraminic acid, Neu5Ac) of a glycan moiety in the catabolism of glycolipids, glycoproteins and oligosaccharides. NEU2 is localized in the cytosol and plasma membrane and takes part in myoblast and neuronal differentiation. It is almost undetectable under normal physiological conditions, and was found to be involved into apoptotic events in pancreatic ductal adenocarcinoma, one of the most dangerous cancers due to poor diagnosis and prognosis. (PMID: 30439363)

Storage

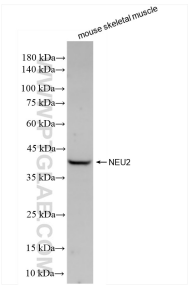
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol
Aliquoting is unnecessary for -20°C storage

*** 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)
E: proteintech@ptglab.com
W: ptglab.com

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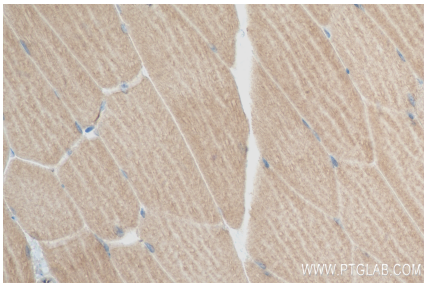
Selected Validation Data



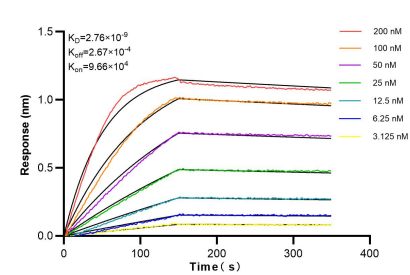
mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 83934-1-RR (NEU2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 83934-1-RR (NEU2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 83934-1-RR (NEU2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 83934-1-RR against Human NEU2 were performed. The affinity constant is 2.76 nM.