



# NEUR3 mouse mAb

<b>Catalog No</b>	YP-mAb-11370
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse; Rat
<b>Applications</b>	WB
<b>Gene Name</b>	NEU3
<b>Protein Name</b>	NEUR3
<b>Immunogen</b>	Synthesized peptide derived from human NEUR3 AA range: 132-182
<b>Specificity</b>	This antibody detects endogenous levels of NEUR3 at Human/Mouse/Rat
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, mouse, IgG
<b>Purification</b>	The antibody was affinity-purified from mouse serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1: 500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Calculated Molecular Weight</b>	47kD
<b>Observed Band</b>	
<b>Cell Pathway</b>	Cell membrane ; Peripheral membrane protein . Membrane, caveola . Early endosome membrane ; Peripheral membrane protein . Recycling endosome membrane ; Peripheral membrane protein . Lysosome membrane ; Peripheral membrane protein . Associates with the external leaflet of the plasma membrane (By similarity). S-acylated NEU3 likely spans the lipid bilayer with a portion of C-terminus exposed to the cytosol and the catalytic region facing the extracellular space (PubMed:28646141). .
<b>Tissue Specificity</b>	Highly expressed in skeletal muscle, testis, adrenal gland and thymus, followed by pancreas, liver, heart and thymus. Weakly expressed in kidney, placenta, brain and lung.
<b>Function</b>	catalytic activity: Hydrolysis of alpha-(2->3)-, alpha-(2->6)-, alpha-(2->8)- glycosidic linkages of terminal sialic acid residues in oligosaccharides, glycoproteins, glycolipids, colominic acid and synthetic substrates, function: Plays a role in modulating the ganglioside content of the lipid bilayer at the level of membrane-bound sialyl glycoconjugates, similarity: Belongs to the glycosyl hydrolase 33 family, similarity: Contains 3 BNR repeats, tissue specificity: Highly expressed in skeletal muscle, testis, adrenal gland and thymus, followed by pancreas, liver, heart and thymus. Weakly expressed in kidney, placenta, brain and lung.,

**Background**

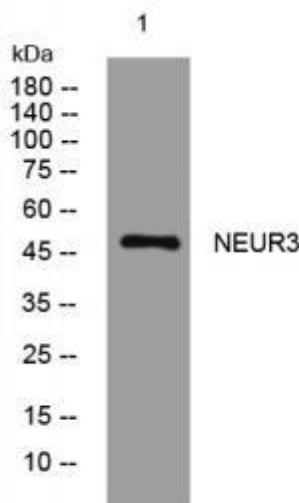
This gene product belongs to a family of glycohydrolytic enzymes which remove sialic acid residues from glycoproteins and glycolipids. It is localized in the plasma membrane, and its activity is specific for gangliosides. It may play a role in modulating the ganglioside content of the lipid bilayer. [provided by RefSeq, Jul 2008].

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**

Western blot analysis of lysates from A431 cells,  
primary antibody was diluted at 1:1000, 4°over night