NEU1 rabbit monoclonal antibody

Catalog # H00004758-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human NEU1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human NEU1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human NEU1 peptide by ELISA and mammalian transfected lysate by We stern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — NEU1

Entrez GeneID	4758
GeneBank Accession#	NEU1
Gene Name	NEU1
Gene Alias	FLJ93471, NANH, NEU, SIAL1
Gene Description	sialidase 1 (lysosomal sialidase)
Omim ID	256550 608272
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a lysosomal enzyme that cleaves terminal sialic acid residue s from substrates such as glycoproteins and glycolipids. In the lysosome, this enzyme is part of a heterotrimeric complex together with beta-galactosidase and cathepsin A (the latter is also referr ed to as 'protective protein'). Mutations in this gene can lead to sialidosis, a lysosomal storage di sease that can be type 1 (cherry red spot-myoclonus syndrome or normosomatic type), which is la te-onset, or type 2 (the dysmorphic type), which occurs at an earlier age with increased severity. [provided by RefSeq
Other Designations	G9 sialidase|N-acetyl-alpha-neuraminidase 1|OTTHUMP00000029419|acetylneuraminyl hydrolas e|exo-alpha-sialidase|lysosomal sialidase|neuraminidase

Pathway

- Lysosome
- Other glycan degradation
- Sphingolipid metabolism

Disease

- Genetic Predisposition to Disease
- Glomerulonephritis
- Lupus Erythematosus