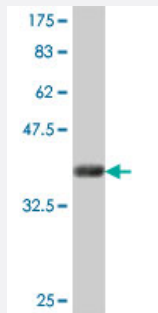


NEU1 polyclonal antibody (A01)

Catalog # H00004758-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (35.13 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant NEU1.
Immunogen	NEU1 (NP_000425, 334 a.a. ~ 415 a.a) partial recombinant protein with GST tag.
Sequence	NPAHPEFRVNLTLRWSFSNGTSWRKETVQLWPGPSGYSSLATLEGSMDGEEQAPQLYVLYEKG RNHYTESISVAKISVYGTL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Rat (82)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.13 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — NEU1

Entrez GeneID [4758](#)

GeneBank Accession# [NM_000434](#)

Protein Accession# [NP_000425](#)

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 referred to as 'protective protein'). Mutations in this gene can lead to sialidosis, a lysosomal storage disease that can be type 1 (cherry red spot-myoclonus syndrome or normosomatic type), which is late-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 hydrolase|exo-alpha-sialidase|lysosomal sialidase|neuraminidase

Pathway

- [Lysosome](#)
- [Other glycan degradation](#)
- [Sphingolipid metabolism](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Lupus Erythematosus](#)