

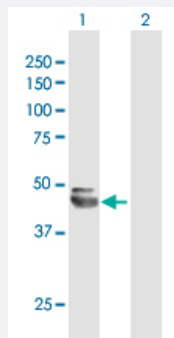
MaxPab®

NEU1 purified MaxPab mouse polyclonal antibody (B02P)

Catalog # H00004758-B02P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of NEU1 expression in transfected 293T cell line ([H00004758-T03](#)) by NEU1 MaxPab polyclonal antibody.

Lane 1: NEU1 transfected lysate(45.65 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human NEU1 protein.

Immunogen

NEU1 (ABM86306.1, 1 a.a. ~ 415 a.a) full-length human protein.

Sequence

MTGERPSTALPDRRWGPRILGFWGGCRVWVFAAIFLLLSLAASWSKAENDFGLVQPLVTMEQLL
WVSGRQIGSVDTFRIPITATPRGTLLAFEAARKMSSSDEGAKFIALRRSMDQGSTWSPTAFIVND
GDVPDGLNLGAVVSDVETGVVFLFYSLCAHKAGCQVASTMLVWSKDDGVSWSTPRNLSLDIGT
EVFAPGPGSGIQKQREPRKGRLIVCGHGTLERDGVFCLLSDDHGASWRYGSGVSGIPYGQPKQE
NDFNPDECQPYELPDGSVVINARNQNNYHCHCRMVLRSDACDTRLRPRDVTFDPELVDPVVAAG
AVVTSSGMFFSNPAHPEFRVNLTLRWSFSNGTSWRKETVQLWPGPSGYSSLATLEGSMGDGEE
QAPQLYVLYEKGRNHYTESISVAKISVYGT

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Rat (83)

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — NEU1

Entrez GeneID [4758](#)

GeneBank Accession# [DQ895380.2](#)

Protein Accession# [ABM86306.1](#)

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 residues 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](#)