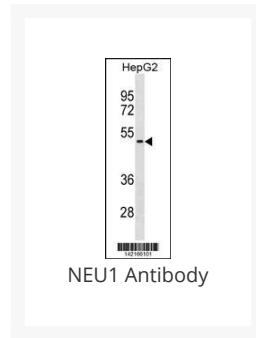




NEU1 Antibody

Cat. No.: 60-825



Ψ Specifications

HOST SPECIES:	Rabbit
SPECIES REACTIVITY:	Human
HOMOLOGY:	Predicted species reactivity based on immunogen sequence: Bovine
IMMUNOGEN:	This NEU1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 188-214 amino acids from the Central region of human NEU1.
TESTED APPLICATIONS:	WB
APPLICATIONS:	For WB starting dilution is: 1:1000
PREDICTED MOLECULAR WEIGHT:	45 kDa

Ψ Properties

PURIFICATION:	This antibody is purified through a protein A column, followed by peptide affinity purification.
CLONALITY:	Polyclonal
ISOTYPE:	Rabbit Ig
CONJUGATE:	Unconjugated

PHYSICAL STATE:	Liquid
BUFFER:	Supplied in PBS with 0.09% (W/V) sodium azide.
CONCENTRATION:	batch dependent
STORAGE CONDITIONS:	Store at 4 °C for three months and -20 °C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Additional Info

OFFICIAL SYMBOL:	NEU1
ALTERNATE NAMES:	Sialidase-1, Acetylneuraminyl hydrolase, G9 sialidase, Lysosomal sialidase, N-acetyl-alpha-neuraminidase 1, NEU1, NANH
ACCESSION NO.:	Q99519
PROTEIN GI NO.:	17368612
GENE ID:	4758
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.

Background and References

BACKGROUND:	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.
REFERENCES:	1) Caciotti, A., et al. J. Neurol. 256(11):1911-1915(2009)
	2) Bonten, E.J., et al. J. Biol. Chem. 284(41):28430-28441(2009)
	3) Barcellos, L.F., et al. PLoS Genet.(10), E1000696 (2009) :
	4) Wang, J., et al. J. Neurochem. 111(2):547-554(2009)

ANTIBODIES FOR RESEARCH USE ONLY.

For additional information, visit ProSci's [Terms & Conditions Page](#).