

Datasheet for ABIN3032558
anti-NEU1 antibody (AA 188-214)



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2 Images

Overview

Quantity:	0.4 mL
Target:	NEU1
Binding Specificity:	AA 188-214
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NEU1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A portion of amino acids 188-214 from the human protein was used as the immunogen for this NEU1 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Bovine
Purification:	Antigen affinity purified

Target Details

Target:	NEU1
Alternative Name:	NEU1 (NEU1 Products)
Background:	The protein encoded by this gene is a lysosomal enzyme that cleaves terminal sialic acid

Target Details

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.

UniProt: [Q99519](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: Titration of the NEU1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Aliquot the NEU1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. NEU1 antibody western blot analysis in HepG2 lysate. Predicted molecular weight ~45 kDa.



Western Blotting

Image 2. NEU1 antibody western blot analysis in HepG2 lysate. Predicted molecular weight ~45 kDa.