

Datasheet for ABIN1881576  
**anti-NEU1 antibody (AA 188-214)**[Go to Product page](#)

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## Overview

Quantity:	400 µL
Target:	NEU1
Binding Specificity:	AA 188-214
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NEU1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

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.
Clone:	RB42166
Isotype:	Ig Fraction
Predicted Reactivity:	B
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	NEU1
Alternative Name:	NEU1 ( <a href="#">NEU1 Products</a> )

## Target Details

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.
Molecular Weight:	45467
NCBI Accession:	<a href="#">NP_000425</a>
UniProt:	<a href="#">Q99519</a>
Pathways:	<a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C, -20 °C
Expiry Date:	6 months

## Publications

Product cited in:	Mehta, Vazquez, Kulkarni, Kerrigan, Atwal, Metsugi, Toppmeyer, Levine, Hirshfield: "Polymorphic variants in TSC1 and TSC2 and their association with breast cancer phenotypes." in: <b>Breast cancer research and treatment</b> , Vol. 125, Issue 3, pp. 861-8, (2011) ( <a href="#">PubMed</a> ).
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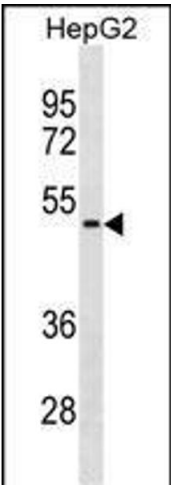
Hoogeveen-Westerveld, Exalto, Maat-Kievit, van den Ouweland, Halley, Nellist: "Analysis of TSC1

truncations defines regions involved in TSC1 stability, aggregation and interaction." in:  
**Biochimica et biophysica acta**, Vol. 1802, Issue 9, pp. 774-81, (2010) ([PubMed](#)).

Mieulet, Lamb: "Tuberous sclerosis complex: linking cancer to metabolism." in: **Trends in molecular medicine**, Vol. 16, Issue 7, pp. 329-35, (2010) ([PubMed](#)).

Guo, Ying, Zhang, Yuan, Qian, Wang, Yang, He: "Tandem affinity purification and identification of the human TSC1 protein complex." in: **Acta biochimica et biophysica Sinica**, Vol. 42, Issue 4, pp. 266-73, (2010) ([PubMed](#)).

Liu, Wu, Chen, Ter-Minassian, Asomaning, Zhai, Wang, Su, Heist, Kulke, Lin, Liu, Christiani: "A Large-scale genetic association study of esophageal adenocarcinoma risk." in: **Carcinogenesis**, Vol. 31, Issue 7, pp. 1259-63, (2010) ([PubMed](#)).



Western Blotting

**Image 1.** NEU1 Antibody (Center) (ABIN1881576 and ABIN2838925) western blot analysis in HepG2 cell line lysates (35 µg/lane). This demonstrates the NEU1 antibody detected the NEU1 protein (arrow).