Datasheet for ABIN3043281

anti-NAE1 antibody (AA 181-534)

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Overview

Quantity:	100 µg
Target:	NAE1
Binding Specificity:	AA 181-534
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NAE1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for NEDD8-activating enzyme E1 regulatory subunit(NAE1) detection. Tested with WB in Human,Mouse,Rat.
Immunogen:	E.coli-derived human APPBP1 recombinant protein (Position: E181-L534). Human APPBP1 shares 98% amino acid (aa) sequence identity with mouse APPBP1.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for NEDD8-activating enzyme E1 regulatory subunit(NAE1) detection. Tested with WB in Human,Mouse,Rat. Gene Name: NEDD8 activating enzyme E1 subunit 1 Protein Name: NEDD8-activating enzyme E1 regulatory subunit
Purification:	Immunogen affinity purified.

Target Details

Target:	NAE1
Alternative Name:	NAE1 (NAE1 Products)
Background:	NAE1 is also known as APPBP1. The protein encoded by this gene binds to the beta-amyloid precursor protein. Beta-amyloid precursor protein is a cell surface protein with signal-transducing properties, and it is thought to play a role in the pathogenesis of Alzheimer's disease. In addition, the encoded protein can form a heterodimer with UBE1C and bind and activate NEDD8, a ubiquitin-like protein. This protein is required for cell cycle progression through the S/M checkpoint. Three transcript variants encoding different isoforms have been found for this gene. Synonyms: 59 kDa antibody|A 116A10.1 antibody|Amyloid beta precursor protein binding protein 1 59kD antibody|Amyloid beta precursor protein binding protein 1 59 kDa antibody|Amyloid beta precursor protein binding protein 1 antibody|Amyloid beta precursor protein-binding protein 1 antibody|Amyloid protein binding protein 1 antibody|Amyloid protein-binding protein 1 antibody|APP BP1 antibody|APP-BP1 antibody|APPBP 1 antibody|HPP 1 antibody|HPP1 antibody|NAE 1 antibody|NAE1 antibody|NEDD8 activating enzyme E1 regulatory subunit antibody|NEDD8 activating enzyme E1 subunit 1 antibody|NEDD8 activating enzyme E1 subunit antibody|NEDD8-activating enzyme E1 regulatory subunit antibody|Proto oncogene protein 1 antibody|Proto-oncogene protein 1 antibody|Protooncogene protein 1 antibody|ula 1 antibody|ULA1_HUMAN antibody
Gene ID:	8883
UniProt:	Q13564

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat, The detection limit for APPBP1 is approximately 0.1 ng/lane under reducing conditions. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images

Western Blotting

Image 1. Anti- APPBP1 Picoband antibody, Western blotting All lanes: Anti APPBP1 at 0.5ug/ml WB: Recombinant Human APPBP1 Protein 0.5ng Predicted bind size: 42KD Observed bind size: 42KD