

Human NEDD8-Activating Enzyme E1 Regulatory Subunit (NAE1) ELISA Kit | NAE1 elisa kit

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CATALOG #
AAA31493

REACTIVITY
Human

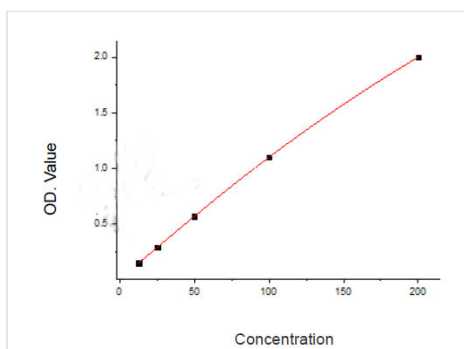
PRODUCT SYNONYMS

NEDD8-Activating Enzyme E1 Regulatory Subunit (NAE1); Human NEDD8-Activating Enzyme E1 Regulatory Subunit (NAE1) ELISA Kit; NAE1; A-116A10.1; APPBP1; HPP1; ula-1; NEDD8-activating enzyme E1 subunit; amyloid beta precursor protein binding protein 1; 59kDa; amyloid beta precursor protein-binding protein 1; 59kD; amyloid protein-bin; NAE1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human NEDD8-Activating Enzyme E1 Regulatory Subunit (NAE1) ELISA Kit has high sensitivity and excellent specificity for detection of Human NAE1. No significant cross-reactivity or interference between Human NAE1 and analogues was observed.
Sequence Length	534
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	12.5 ng/L - 200 ng/L
Sensitivity	< 1ng/L
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NAE1 elisa kit	Background: NEDD8-activating enzyme E1 regulatory subunit encoded by NAE1 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 NAE1. Principle of the Assay: Human NEDD8-Activating Enzyme E1 Regulatory Subunit (NAE1) ELISA Kit employs a two-site sandwich ELISA to quantitate NAE1 in samples. An antibody specific for NAE1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NAE1 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human NAE1 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of NAE1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50400302
NCBI GeneID	8883
UniProt Accession #	Q13564
NCBI Official Full Name	NEDD8-activating enzyme E1 regulatory subunit
NCBI Official Synonym Full Names	NEDD8 activating enzyme E1 subunit 1
NCBI Official Symbol	NAE1
NCBI Official Synonym Symbols	HPP1; ula-1; APPBP1; A-116A10.1
NCBI Protein Information	NEDD8-activating enzyme E1 regulatory subunit
UniProt Protein Name	NEDD8-activating enzyme E1 regulatory subunit
UniProt Gene Name	NAE1
UniProt Synonym Gene Names	APPBP1; APP-BP1
UniProt Entry Name	ULA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/nedd8-activating-enzyme-e1-regulatory-subunit-nae1/31493>