

Rabbit anti-Human, Mouse NAE1 Polyclonal Antibody | anti-NAE1 antibody

NAE1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA231993	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

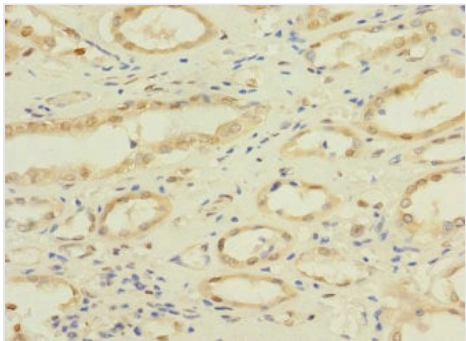
PRODUCT SYNONYMS

NAE1; Polyclonal Antibody; NAE1 Antibody; NEDD8-activating enzyme E1 regulatory subunit; Amyloid beta precursor protein-binding protein 1; 59 kDa; APP-BP1; Amyloid protein-binding protein 1; Proto-oncogene protein 1; APPBP1; HPP1; anti-NAE1 antibody

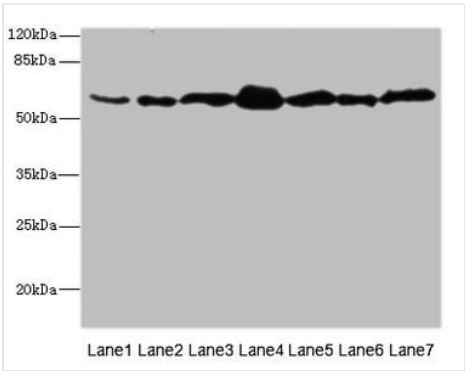
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	528
Applicable Applications for anti-NAE1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human NEDD8-activating enzyme E1 regulatory subunit protein (N-220AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-79844 / sc-79843 / sc-130690
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human pancreatic tissue using AAA231993 at dilution 1:100



WB (Western Blot)
Western blotAll lanes: NAE1 antibody at 1.85ug/mlLane 1: Mouse liver tissueLane 2: Mouse kidney tissueLane 3: Mouse skeletal muscle tissueLane 4: 293T whole cell lysateLane 5: A431 whole cell lysateLane 6: K562 whole cell lysateLane 7: Hela whole cell lysateSecondaryGoat polyclonal to rabbit IgG at 1/10000 dilutionPredicted band size: 61,60,51 kDaObserved band size: 60 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-NAE1 antibody	Regulatory subunit of the dimeric UBA3-NAE1 E1 enzyme. E1 activates NEDD8 by first adenylating its C-terminal glycine residue with ATP, thereafter linking this residue to the side chain of the catalytic cysteine, yielding a NEDD8-UBA3 thioester and free AMP. E1 finally transfers NEDD8 to the catalytic cysteine of UBE2M. Necessary for cell cycle progression through the S-M checkpoint. Overexpression of NAE1 causes apoptosis through deregulation of NEDD8 conjugation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	66363686
NCBI GeneID	8883
NCBI Accession #	NP_001018169.1
NCBI GenBank Nucleotide #	NM_001018159.1
UniProt Accession #	Q13564; A6NCK0; A6NFN4; A8MU28; B2R700; B3KUP9
Molecular Weight	60,517 Da
NCBI Official Full Name	NEDD8-activating enzyme E1 regulatory subunit isoform b
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.