

Anti-ULA1 antibody



Description	Unconjugated Rabbit polyclonal to ULA1
Model	STJ191045
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human ULA1 protein.
Immunogen Region	390-470aa
Gene ID	8883
Gene Symbol	NAE1
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	ULA1 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Ubiquitous in fetal tissues. Expressed throughout the adult brain.
Purification	ULA1 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	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
Molecular Weight	58 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:621OMIM:603385
Alternative Names	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
Function	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.
Cellular Localization	Cell membrane. Colocalizes with APP in lipid rafts.
Post-translational Modifications	Ubiquitinated by TRIP12, leading to its degradation by the proteasome.