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Product datasheet for TA804321AM

APPBP1 (NAE1) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI1E9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1E9
Applications:	WB
Recommended Dilution:	WB 1:500
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1-274 of human NAE1 (NP_001018170) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	50.4 kDa
Gene Name:	NEDD8 activating enzyme E1 subunit 1
Database Link:	NP_001018170 Entrez Gene 84019 RatEntrez Gene 234664 MouseEntrez Gene 8883 Human Q13564

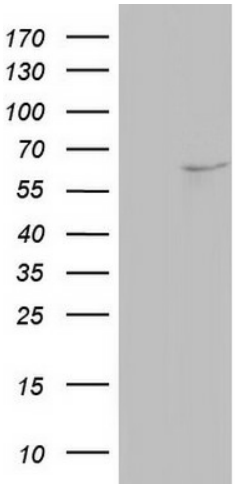
View online »

Background: 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. [provided by RefSeq, Jul 2008]

Synonyms: A-116A10.1; APPBP1; HPP1; ula-1

Protein Pathways: Alzheimer's disease

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NAE1 ([RC201326], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NAE1. Positive lysates [LY422668] (100ug) and [LC422668] (20ug) can be purchased separately from OriGene.