

APPBP1 Rabbit mAb
Catalog # AP75093**Specification**

APPBP1 Rabbit mAb - Product Information

Application	WB, IP
Primary Accession	Q13564
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	60246

APPBP1 Rabbit mAb - Additional Information**Gene ID** 8883**Other Names**
NAE1**Dilution**
WB~~1/500-1/1000
IP~~N/A**Format**
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.**Storage**
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**APPBP1 Rabbit mAb - Protein Information****Name** NAE1**Synonyms** APPBP1**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. The covalent attachment of NEDD8 to target proteins is known as 'neddylation' and the process is involved in the regulation of cell growth, viability and development.**Cellular Location**
Cell membrane. Note=Colocalizes with APP in lipid rafts**Tissue Location**
Ubiquitous in fetal tissues. Expressed throughout the adult brain.

APPBP1 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

APPBP1 Rabbit mAb - Images

