

APPBP1 Rabbit mAb

Catalog # AP75093

Specification

APPBP1 Rabbit mAb - Product Information

Application WB **Primary Accession** Q13564 Rabbit Clonality **Monoclonal Antibody**

Calculated MW 60246

APPBP1 Rabbit mAb - Additional Information

Gene ID 8883

Other Names

NAF1

Dilution

WB~~1/500-1/1000

Format Liquid

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.

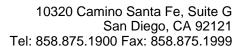
Cellular Location

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
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

APPBP1 Rabbit mAb - Images

