

# APPBP1 Rabbit mAb

Catalog # AP75093

## Product Information

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Application	WB, IP
Primary Accession	<a href="#">Q13564</a>
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	60246

## Additional Information

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Gene ID	8883
Other Names	NAE1
Dilution	WB~~1/500-1/1000 IP~~N/A
Format	Liquid

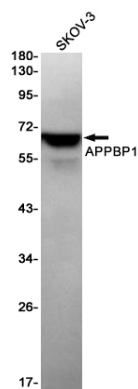
## Protein Information

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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.

## Images

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