

**Product Name: APPBP1 Rabbit Monoclonal Antibody****Catalog #: AMRe85298**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IP
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in TBS with 0.05% sodium azide, 0.05% protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000, IP 1:10-1:20
<b>Molecular Weight</b>	Calculated MW: 60 kDa; Observed MW: 60 kDa

**Antigen Information**

<b>Gene Name</b>	APPBP1
<b>Alternative Names</b>	NEDD8 activating enzyme E1 subunit 1; HPP1; ula-1; APPBP1; A-116A10.1
<b>Gene ID</b>	8883.0
<b>SwissProt ID</b>	Q13564
<b>Immunogen</b>	A synthetic peptide of human APPBP1

**Background**

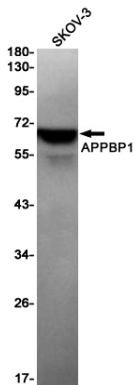
Regulatory subunit of the dimeric UBA3-NAE1 E1 enzyme. E1 activates NEDD8 by first adenylating its C-terminal glycine residue with ATP, thereafter linking this residue to the side chain of the catalytic cysteine, yielding a NEDD8-UBA3 thioester and free AMP. E1 finally transfers NEDD8 to the catalytic cysteine of UBE2M. Necessary for cell cycle progression through the S-M

checkpoint. Overexpression of NAE1 causes apoptosis through deregulation of NEDD8 conjugation.

## Research Area

Apoptosis

## Image Data



Western blot analysis of APPBP1 in SKOV-3 lysates using APPBP1 antibody.