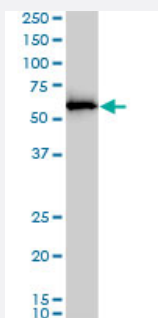


APPBP1 monoclonal antibody (M01), clone 4E8-H3

Catalog # H00008883-M01

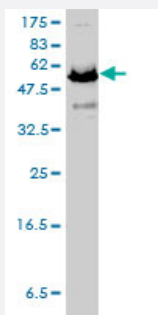
Size 100 ug

Applications



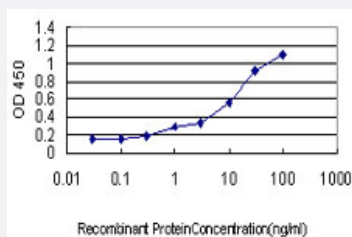
Western Blot (Cell lysate)

APPBP1 monoclonal antibody (M01), clone 4E8-H3. Western Blot analysis of APPBP1 expression in A-431 (Cat # L015V1).



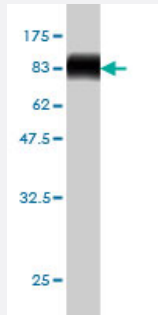
Western Blot (Cell lysate)

APPBP1 monoclonal antibody (M01), clone 4E8-H3 Western Blot analysis of APPBP1 expression in HeLa (Cat # L013V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged APPBP1 is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (84.48 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant APPBP1.
Immunogen	APPBP1 (AAH00480, 1 a.a. ~ 534 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAQLGKLLKEQKYDRQLRLWGDHGQEALSAHVCLINATATGTEILKNLVLPGIGSFTIIDGNQVSG EDAGNNFFLQRSSIGKNRAEAAMEFLQELNSDVSGSFVEESPENLLDNDPSFFCRFTVVVATQL PESTSLRLADV L WNSQIPLLICRTYGLVGYMR IIIKEHPVIESHPDNALEDLR LDKPFPELREHFQSY DLDHMEKKDHSHTPWVIAKYLAQWYSETNGRIPKTYKEKEDFRDLIRQGILKNENGAPED EENFE EAIKNVNTALNTTQIPSSIEDIFNDDRCINITKQTPSFWILARALKEFVAKEGQG NLPVRGTIPDMIAD SGKYIKLQNVYREKAKKDAAAVGNHVAKLLQSIGQAPESISEKELKLLCSNSAFLRVVRCRSLAEE YGLDTINKDEIISMDNPDNEIVLYMLRAVDRFHKQQGRYPGVSNYQVEEDIGKLK SCLTGFLQEY GLSVMVKDDYVHEFCRYGAAEPHTIAAFLGGAAAQEVKIITKQFVIFNNTYISGMSQTSATFQL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (84.48 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

APPBP1 monoclonal antibody (M01), clone 4E8-H3. Western Blot analysis of APPBP1 expression in A-431 (Cat # L015V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

APPBP1 monoclonal antibody (M01), clone 4E8-H3 Western Blot analysis of APPBP1 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged APPBP1 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — NAE1

Entrez GeneID [8883](#)

GeneBank Accession# [BC000480](#)

Protein Accession# [AAH00480](#)

Gene Name NAE1

Gene Alias A-116A10.1, APPBP1, HPP1, ula-1

Gene Description NEDD8 activating enzyme E1 subunit 1

Omim ID [603385](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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]

Other Designations

NEDD8-activating enzyme E1 subunit|amyloid beta precursor protein binding protein 1, 59kDa|amyloid beta precursor protein-binding protein 1, 59kD|amyloid protein-binding protein 1|protooncogene protein 1

Publication Reference

- [Proteome-wide identification of NEDD8 modification sites reveals distinct proteomes for canonical and atypical NEDDylation.](#)

Sofia Lobato-Gil, Jan B Heidelberg, Chantal Maghames, Aymeric Bailly, Lorene Brunello, Manuel S Rodriguez, Petra Beli, Dimitris P Xirodimas.

Cell Reports 2021 Jan; 34(3):108635.

Application: WB-Tr, Human, HCT-116 cells