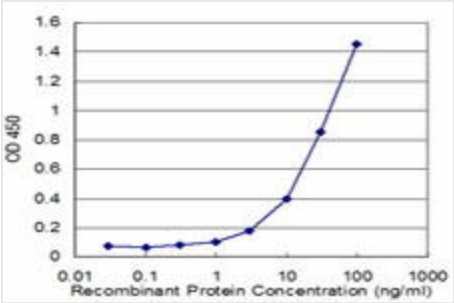
APP Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	APP, Monoclonal Antibody
Full Product Name	APP (Amyloid beta (A4) Precursor Protein, AAA, ABETA, ABPP, AD1, APPI, CTFgamma, CVAP, PN2) (PE)
Product Gene Name	anti-APP antibody
Product Synonym Names	Amyloid beta (A4) Precursor Protein; AAA; ABETA; ABPP; AD1; APPI; CTFgamma; CVAP; PN2
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1000000
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified
Specificity	Recognizes APP.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Immunogen	APP (AAH04369.1, 19aa-305aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	EVPTDGNAGLLAEPQIAMFCGRLNMHMNVQNGKWDSDPSGTKTCIDTKEGILQYCQEVYPELQITNVVEANQPVTIQNWCKRGRKQCKTHPHFVIPYRC
Conjugate	PE
Product Categories/Family for anti-APP antibody	Antibodies; Amyloid
Applications Tested/Suitable for anti-APP antibody	Western Blot (WB)
Application Notes for anti-APP antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-APP antibody	This gene encodes a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Some of t autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy). Multiple transcript variants encoding several diff
Other Notes	Small volumes of anti-APP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessar
Searchable Terms for APP purchase	MBS6186120 is an antibody targeting APP. Also known as APP (Amyloid beta (A4) Precursor Protein, AAA, ABETA, ABPP, AD1, APPI, CTFgamma, C



Testing Data of anti-APP antibody
Detection limit for recombinant GST tagged APP is approximately 1ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for APP. It may not necessarily be applicable to this product.

NCBI GI #	13325112
NCBI GeneID	351
NCBI Accession #	AAH04369.1
UniProt Related Accession #	P05067
NCBI Official Full Name	APP protein
NCBI Official Synonym Full Names	amyloid beta precursor protein
NCBI Official Symbol	APP
NCBI Official Synonym Symbols	AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; PN-II; preA4; CTFgamma
Protein Family	Amyloid beta A4 protein
NCBI Protein Information	amyloid-beta precursor protein
NCBI Summary for APP	This gene encodes a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Some of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to promote transcriptional activation, while others form the protein basis of the amyloid plaques found in the brains of patients with Alzheimer disease. In addition, two of the peptides are antimicrobial peptides, having been shown to have bacteriocidal and antifungal activities. Mutations in this gene have been implicated in autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy). Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq, Aug 2014]
Research Articles on APP	**1.** This review includes brief discussions with regards to the levels of Cu and Zn in an Alzheimer's disease affected brain, structures of ABETA peptides, and the coordination of ABETA peptides with Cu and Zn. [review]
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