

Rabbit AMYLOID PRECURSOR PROTEIN Polyclonal Antibody | anti-APP antibody

RABBIT ANTI AMYLOID PRECURSOR PROTEIN (C-TERMINAL)

CATALOG # AAA49952	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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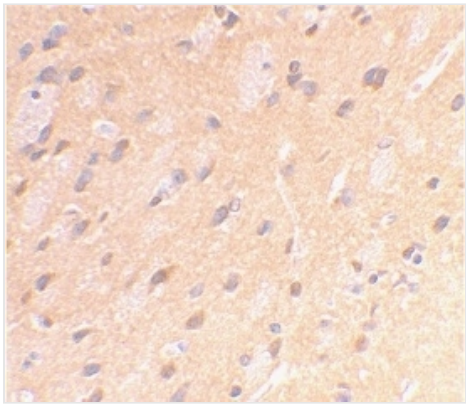
PRODUCT SYNONYMS

AMYLOID PRECURSOR PROTEIN; Polyclonal Antibody; RABBIT ANTI AMYLOID PRECURSOR PROTEIN (C-TERMINAL); anti-APP antibody

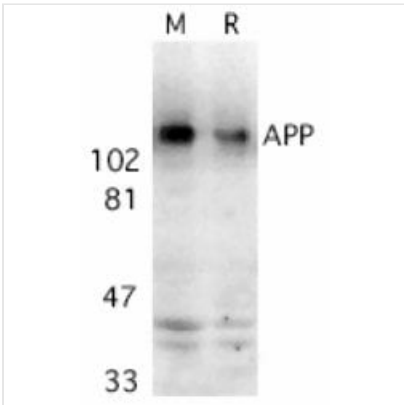
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	This item recognises both intact APP, and also the C99 fragment generated by Beta-secretase. The sequence recognised by this antibody corresponds to amino acids 85-99 of the C99 fragment. The C99 fragment itself is a substrate for gamma-secretase to generate the 4kD beta amyloid peptide which is found in the brains of Alzheimer's disease patients. APP also inhibits Notch signaling through it's interaction with NUMB.
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 0.5 mg/ml (varies by lot)
Sequence Length	770
Applicable Applications for anti-APP antibody	WB (Western Blot), IHC (Immunohistochemistry)
Perservative Stabilisers	0.02% Sodium Azide
Immunogen	Synthetic peptide corresponding to amino acids 737-751 of human APP Buffer Solution
Antiserum Preparation	Antisera to APP were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data
Immunohistochemical staining of rat brain with Rabbit anti amyloid precursor protein (AAA49952)



Application Data
Western blot analysis of APP in mouse (M) and rat (R) brain tissue lysates with AAA49952

ADDITIONAL INFORMATION

Related Product Information for anti-APP antibody	MBS221602 recognises both intact APP, and also the C99 fragment generated by Beta-secretase. The sequence recognised by this antibody corresponds to amino acids 85-99 of the C99 fragment. The C99 fragment itself is a substrate for gamma-secretase to generate the 4kD beta amyloid peptide which is found in the brains of Alzheimer's disease patients. APP also inhibits Notch signaling through it's interaction with NUMB.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502167
NCBI GeneID	351
NCBI Accession #	NP_000475.1
NCBI GenBank Nucleotide #	NM_000484.3
UniProt Accession #	P05067; P09000; P78438; Q13764; Q13778; Q13793; Q16011; B2R5V1; B4DII8; D3DSD1; D3DSD2; D3DSD3
Molecular Weight	84,521 Da
NCBI Official Full Name	amyloid beta A4 protein isoform a
NCBI Official Synonym Full Names	amyloid beta (A4) precursor protein
NCBI Official Symbol	APP
NCBI Official Synonym Symbols	AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; PN-II; CTFgamma
NCBI Protein Information	amyloid beta A4 protein; alzheimer disease amyloid protein; beta-amyloid peptide; beta-amyloid peptide(1-40); beta-amyloid peptide(1-42); cerebral vascular amyloid peptide; peptidase nexin-II; preA4; protease nexin-II
UniProt Protein Name	Amyloid beta A4 protein
UniProt Gene Name	APP
UniProt Synonym Gene Names	A4; AD1; APP; CVAP; PN-II; S-APP-alpha; S-APP-beta; AICD-59; AID(59); AICD-57; AID(57); AICD-50; AID(50)
UniProt Entry Name	A4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.