

Rabbit APP Polyclonal Antibody | anti-APP antibody

APP Antibody

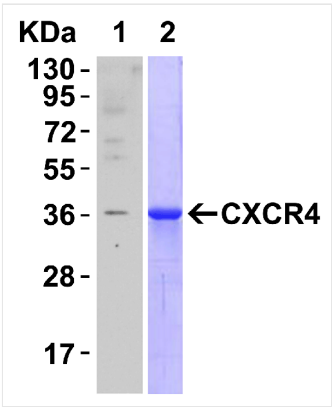
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39712	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

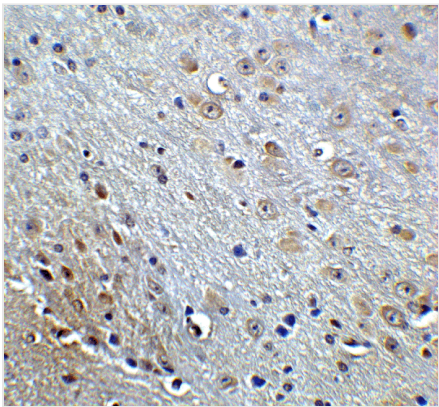
APP; Polyclonal Antibody; APP Antibody; AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; PN-II; CTFgamma; A4; Amyloid beta A4 protein; amyloid beta (A4) precursor protein; anti-APP antibody

PRODUCT SPECIFICATIONS

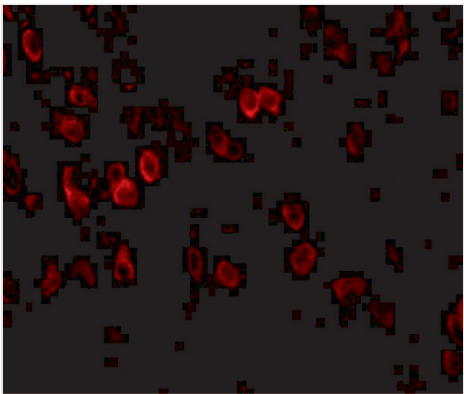
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	APP Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	751
Applicable Applications for anti-APP antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	APP antibody was raised against an 18 amino acid synthetic peptide near the amino terminus of human APP.
Buffer	APP Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	APP antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



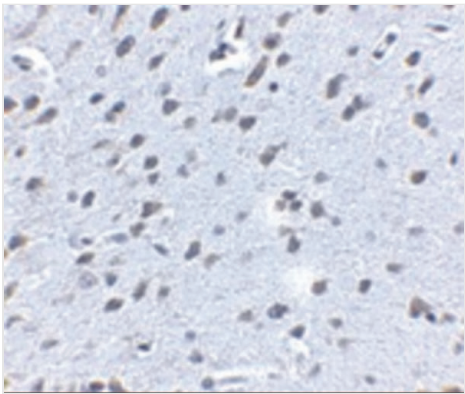
IF (Immunofluorescence)
Immunofluorescence of APP in mouse brain tissue with APP Antibody at 20 μ g/mL. Green: APP antibody (5143) Red: Phylloidin staining Blue: DAPI staining



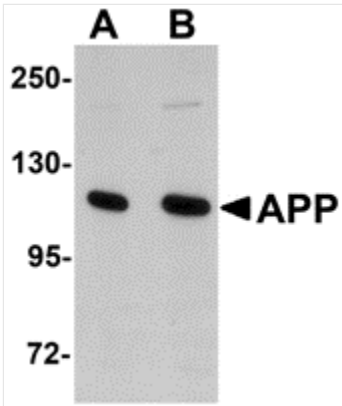
IHC (Immunohistochemistry)
Immunohistochemistry of APP in mouse brain tissue with APP Antibody at 5 μ g/mL.



IF (Immunofluorescence)
Immunofluorescence of APP in mouse brain tissue with APP antibody at 20 μ g/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of APP in mouse brain tissue with APP antibody at 2.5 μ g/mL.



WB (Western Blot)
Western blot analysis of APP in rat brain tissue lysate with APP antibody at (A) 1 and (B) 2 μ g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-APP antibody	APP Antibody: Accumulation of the amyloid-beta peptide (Abeta) in the cerebral cortex is a critical event in the pathogenesis of Alzheimer's disease. The beta-amyloid protein precursor (APP) is cleaved by one of two beta-secretases (BACE and BACE2), producing a soluble derivative of the protein and a membrane anchored 99-amino acid carboxy-terminal fragment (C99). The C99 fragment serves as substrate for gamma-secretase to generate the 4 kDa amyloid-beta peptide (Abeta), which is deposited in the Alzheimer's disease patient's brains. Recently, Death Receptor 6 (DR6) was found to interact with an amino-terminal fragment of the Beta-amyloid protein (N-APP) in neurons, activating a caspase 6-dependent apoptotic event leading to axonal degeneration and pruning during development, suggesting that these two proteins are involved in neural development and may possibly play a role in Alzheimer's disease.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	28721
NCBI GeneID	351
UniProt Accession #	P05067; P09000; P78438; Q13764; Q13778; Q13793; Q16011; B2R5V1; B4DII8; D3DSD1; D3DSD2; D3DSD3
Molecular Weight	84,521 Da
NCBI Official Full Name	amyloid A4 protein
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; preA4; protease nexin-II; peptidase nexin-II; beta-amyloid peptide; beta-amyloid peptide(1-40); beta-amyloid peptide(1-42); alzheimer disease amyloid protein; cerebral vascular amyloid peptide
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/app-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39712>