

Datasheet for ABIN499317
anti-APP antibody (C-Term)



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2 Images

Overview

Quantity:	0.1 mg
Target:	APP
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Human APP (C-Terminus) Peptide
Isotype:	IgG
Specificity:	APP antibody was raised against a peptide corresponding to amino acids 737 to 751 of human amyloid A4 protein precursor (APP) or 85 to 99 of the C99 fragment generated by b-secretase cleavage. The peptide sequences are identical to those of monkey, mouse, rat, chicken, and a variety of other species.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	APP
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Target Details

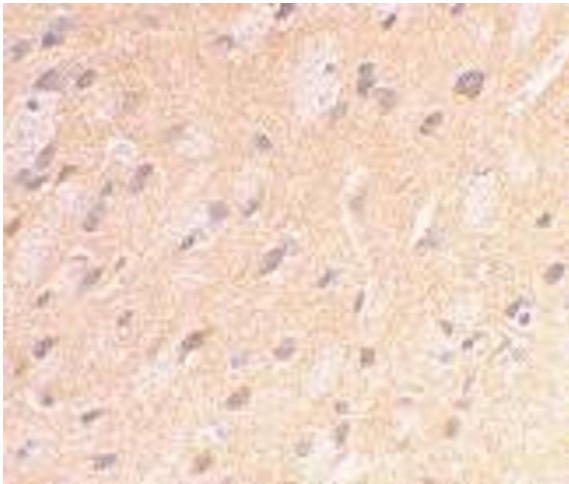
Alternative Name:	Amyloid beta A4 Protein / APP (APP Products)
Background:	Accumulation of the amyloid-beta peptide (alpha beta) in the cerebral cortex is a critical event in the pathogenesis of Alzheimer's disease. The b-amyloid protein precursor (APP) is cleaved by beta-secretase, producing a soluble derivative of the protein and a membrane anchored 99-amino acid carboxy-terminal fragment (C99). The C99 fragment serves as substrate for g-secretase to generate the 4 kDa amyloid-beta peptide (alpha beta), which is deposited in the brains of all suffers of Alzheimer's disease.Synonyms: ABPP, APPI, Alzheimer disease amyloid protein, Amyloid Precursor Protein, CVAP, Cerebral vascular amyloid peptide, PreA4, Protease nexin-II
Gene ID:	351
UniProt:	P05067
Pathways:	Caspase Cascade in Apoptosis , EGFR Signaling Pathway , Transition Metal Ion Homeostasis , Skeletal Muscle Fiber Development , Toll-Like Receptors Cascades , Feeding Behaviour

Application Details

Application Notes:	ELISA. Western Blot: APP antibody can be used for detection of APP and the C99 fragment at 1 - 2 µg/mL. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

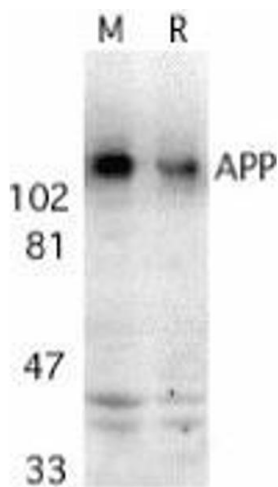
Handling

Buffer:	PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical staining of rat brain using AP30071PU-N APP antibody at 2 µg/ml.



Western Blotting

Image 2. Western blot analysis of APP in mouse (M) and rat (R) brain tissue lysates with AP30071PU-N APP antibody at 2 µg/ml.