

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

2 Images

Overview

Target Details

Target:

APP

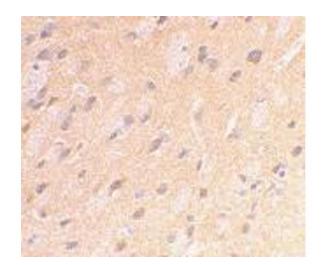


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Immunoassay (EIA) Product Details Immunogen: Human APP (C-Terminus) Peptide Isotype: IgG Specificity: APP antibody was raised against a peptide corresponding to amino acids 737 to 751 of humanyloid A4 protein precursor (APP) or 85 to 99 of the C99 fragment generated by b-secretase	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)), Enzym 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		
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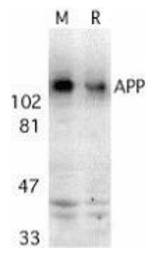
Target Details

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 $2 \mu g/ml$.



Western Blotting

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