OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA306003

Amyloid Precursor Protein (APP) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 2 ug/mL, IHC: 2 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	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 .
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	amyloid beta precursor protein
Database Link:	CAA30050 Entrez Gene 351 Human P05067
Background:	Accumulation of the amyloid-beta peptide (alphabeta) 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 (alphabeta), which is deposited in the brains of all suffers of Alzheimer’s disease.

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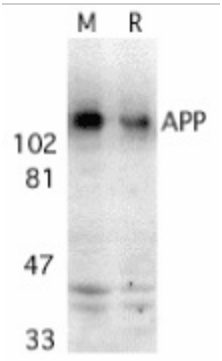
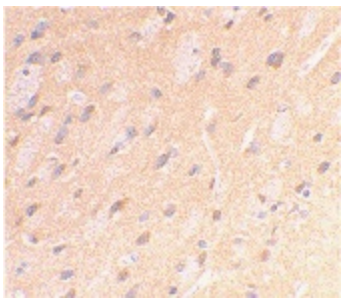
Synonyms: AAA; ABETA; ABPP; AD1; APPI; CTFgamma; CVAP; PN-II; PN2

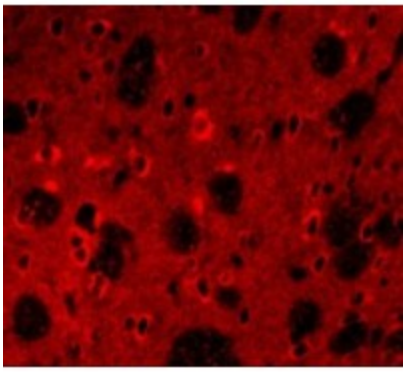
Product images:



Western blot analysis of APP in mouse (M) and rat (R) brain tissue lysates with APP antibody at 2 ug/ml.



Immunohistochemical staining of rat brain using APP antibody at 2 ug/ml.



Immunofluorescence of APP in Rat Brain cells with APP antibody at 20 ug/mL.