

Product datasheet for **TA306002**

Amyloid Precursor Protein (APP) Rabbit Polyclonal Antibody

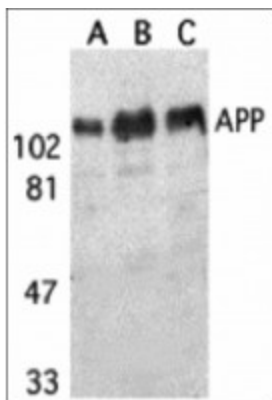
Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 ug/mL, IHC: 10 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	APP antibody was raised against a peptide corresponding to 10 amino acids of human amyloid A4 protein precursor (APP) corresponding to the amino terminus of the 4K Ab peptide generated by beta- and gamma-secretases. The immunogen is located within amino acids 650 - 700 of APP.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
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-b peptide (alphabeta), which is deposited in the brains of all suffers of Alzheimer's disease.
Synonyms:	AAA; ABETA; ABPP; AD1; APPI; CTFgamma; CVAP; PN-II; PN2

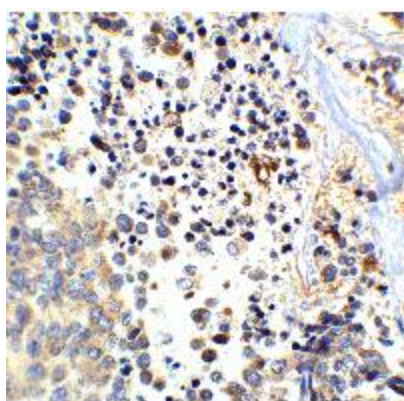


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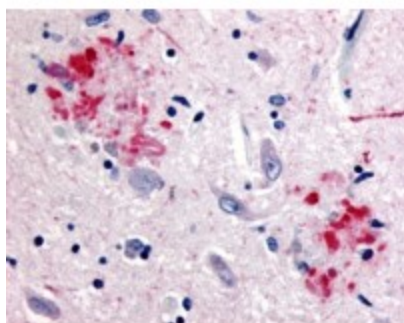
Product images:



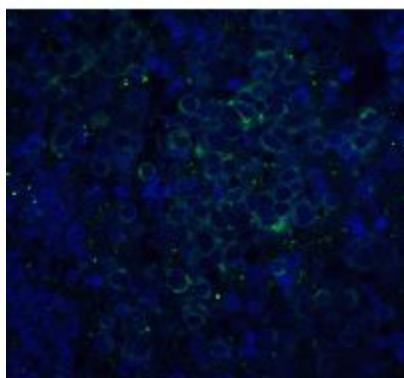
Western blot analysis of APP in (A) human, (B) mouse, and (C) rat brain tissue lysates with APP antibody at 1ug/ml.



Immunohistochemistry of APP in human brain tissue with APP antibody at 2.5ug/ml.



Immunohistochemistry of APP in human brain (Alzheimer's disease) tissue with APP antibody at 10ug/ml.



Immunofluorescence of ASA1 in rat heart tissue with ASA1 antibody at 20ug/ml.