APP Antibody

Catalog No: #24069

Orders: order@signalwayantibody.com
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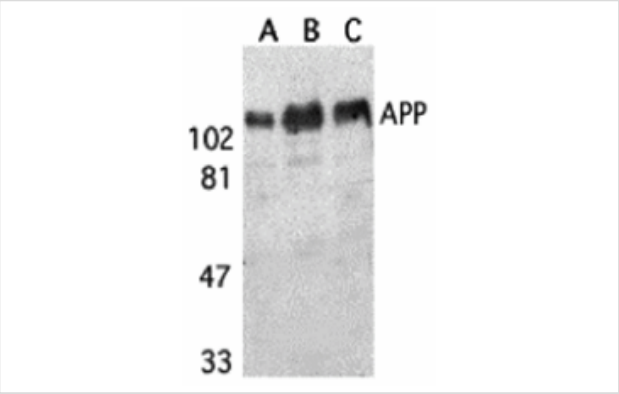
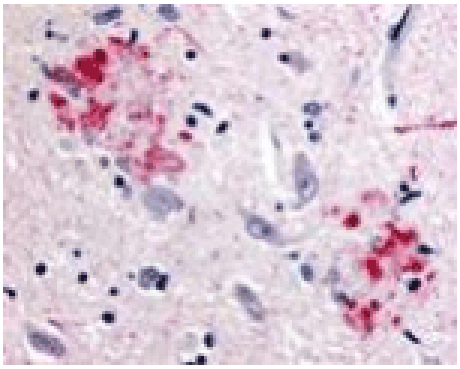
Description

Product Name	APP Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	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.
Target Name	APP
Other Names	APP (AbNT), APP(AbNT)
Accession No.	Swiss-Prot:P05067Gene ID:351
Uniprot	P05067
GeneID	351;
Calculated MW	Predicted: 83 kDa Observed: 115 kDa
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Stored at 4°C for three months and -20°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.

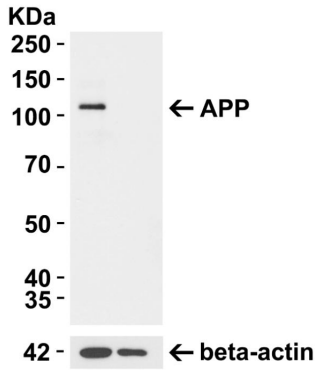
Images



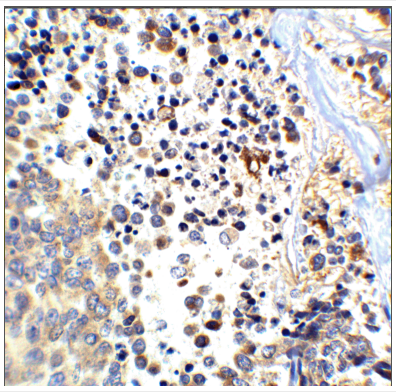
Western blot analysis of APP in human (A), mouse (B), and rat (C) brain tissue lysates with APP antibody at 1 ug/mL.



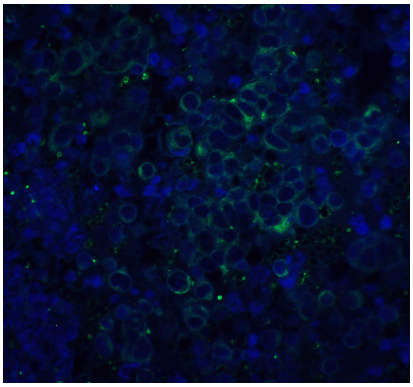
Immunohistochemistry of APP in human brain (Alzheimer



APP KO Validation in 293T CellsLoading: 10 ug of lysateAntibodies: APP 0.5 ug/mL and beta-actin 1ug/mL, 1 h incubation at RT in 5% NFDM/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



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



Immunofluorescence of ASAH1 in rat heart tissue with ASAH1 antibody at 20 ug/mL.
Green: APP Antibody
Blue: DAPI staining

Background

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 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 gamma-secretase to generate the 4 kDa amyloid-beta peptide (Abeta), which is deposited in the brains of all suffers of Alzheimer's disease.

Note: This product is for in vitro research use only