

# APP Antibody

Catalog No: #24070



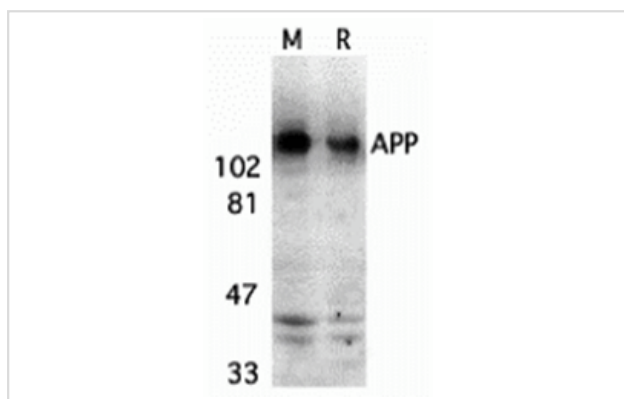
Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)

Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

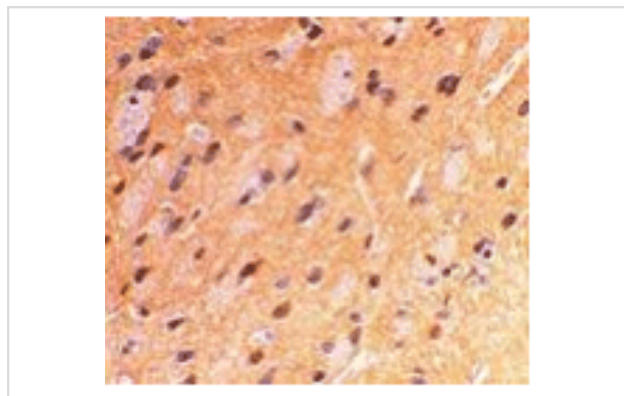
## Description

Product Name	APP Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	E WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	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.
Target Name	APP
Accession No.	CAA30050
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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 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.

## Background

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Accumulation of the amyloid-beta peptide (A $\beta$ ) 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 (A $\beta$ ), which is deposited in the brains of all suffers of Alzheimer $\beta$  s disease.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.