

#11190

## APP (Phospho-668) Antibody

**Catalog:** #11190-1 50µl **Orders:** [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
#11190-2 100µl **Support:** [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)  
**Storage:** Store at -20°C/1 year **Web:** [www.signalwayantibody.com](http://www.signalwayantibody.com)



Application	Species Reactivity	Source	Molecular Wt.
WB	Human Mouse Rat	Rabbit Polyconal Ab	100-140KD

**Description:** Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

**Specificity:** The antibody detects endogenous level of APP only when phosphorylated at threonine 668.

**Immunogen:** Peptide sequence around phosphorylation site of threonine 668 (A-V-T(p)-P-E) derived from Human APP.

**Formulation:** Supplied at 1.0mg/mL in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Synonyms:** AAA AD1 PN2 ABPP APPI

**Accession No.:** Swiss-Prot#: P05067? NCBI Gene#: 351  
NCBI Protein#: NP\_000475.1

**Background:** APP encodes a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Some of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to promote transcriptional activation, while others form the protein basis of the amyloid plaques found in the brains of patients with Alzheimer disease. Mutations in this gene have been implicated in autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy). Multiple transcript variants encoding several different isoforms have been found for this gene.

### References:

Hung, A.Y. and Selkoe, D.J. (1994) EMBO J. 13, 534-542.  
Suzuki, T. et al. (1994) EMBO J. 13, 1114-1122  
Ando, K. et al. (1999) J. Neurosci. 19, 4421-4427.  
Iijima, K.I. et al. (2000) J. Neurochem. 75, 1085-1091

### Citation:

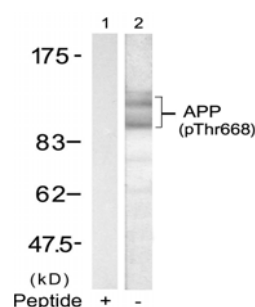
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**Related Pathway:** Receptors, Neuroscience

**Note:** For western blotting, incubate membrane with diluted antibody in 5% nonfat milk, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.

### Recommended Dilutions:

Western blotting 1:500~1:1000



Western blot analysis of extracts from mouse brain tissue using APP (Phospho-668) Antibody #11190 (Lane 2) and the same antibody preincubated with blocking peptide (Lane1).