Data Sheet (Cat.No.TMAC-00249)

Anti-Phospho-APP (Thr668) Polyclonal Antibody

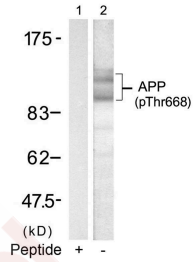
Product Details

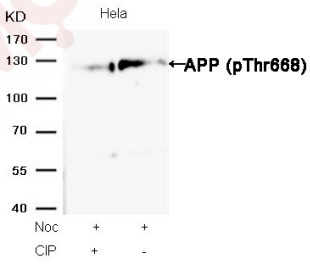
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.

Applications

Verified Activity:

1. Western blot analysis of extracts from mouse brain tissue using APP(Phospho-668) Antibody TMAC-00249(Lane 2) and the same antibody preincubated with blocking peptide(Lane1).
2. Western blot analysis of extracts from Hela cells, treated with Noc or calf intestinal phosphatase (CIP), using APP (Phospho-Thr668) Antibody TMAC-00249.





Application: WB

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Peptide sequence around phosphorylation site of threonine 668 (A-V-T(p)-P-E) derived from Human APP
Antigen Species:	human
Uniprot ID:	P05067
Synonyms:	p-APP (Thr668);APP (p-Thr668);p-APP (T668);APP (p-T668)

Research 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.

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