

Product datasheet for **AP31949PU-N**

Amyloid Precursor Protein (APP) (1-16) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Peptide ELISA: 1/8000 (detection limit). Western Blot: 1-3 µg/ml. Detects a band of Approx 75kDa in Human Brain (Cerebral and Frontal cortex) lysates and in Mouse adult and fetal Brain lysates.
Reactivity:	Bovine, Canine, Human, Porcine
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence DAEFRHDSGYEVHHQK-C, from the N-Terminus of the protein sequence according to NP_000475.1; NP_958816.1; NP_958817.1; NP_001129601.1; NP_001129602.1.
Specificity:	This antibody is expected to recognize all reported isoforms of APP (NP_000475.1, NP_958816.1, NP_958817.1, NP_001129601.1, NP_001129602.1) and to recognize all lengths of the Amyloid beta peptide.
Formulation:	Tris saline, pH~7.3 State: Aff - Purified State: Liquid purified Ig fraction Stabilizer: 0.5% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	78.7 kDa (NP_958817.1) and 72.6 (NP_001129601.1).
Gene Name:	amyloid beta precursor protein



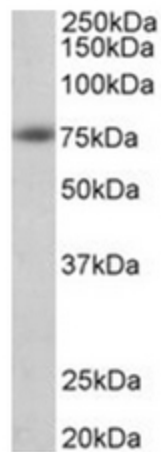
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Database Link: [Entrez Gene 351 Human P05067](#)

Background: Amyloid Precursor Protein (APP), with 32-amino acid protein (about 35 kDa), is part of a super-family of transmembrane and secreted proteins. It appears to have a number of roles, including regulation of haemostasis and mediation of neuroprotection. APP undergoes alternative splicing, resulting in several isoforms. Proteolytic cleavage of amyloid precursor protein leads to the formation of the 4 kDa amyloid beta/A4 protein, which is present in human platelets. APP is also involved in the formation of neurofibrillary tangles and plaques that characterize the senile plaques of Alzheimer patients.

Synonyms: Alzheimer disease amyloid protein, Amyloid Precursor Protein, ABPP, APPI, PreA4, Cerebral vascular amyloid peptide, CVAP

Product images:



APP antibody staining of Human Cerebral Cortex lysate at 1 ug/ml (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.