



Anti-APP (aa 672-681) polyclonal antibody (CPBT-66770RA)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit anti amyloid precursor protein antibody recognises both intact APP and the 4kD Beta-amyloid peptides generated by the action of Beta and Gamma secretases. Deposition of Beta-amyloid peptide in the brain is characteristic of Alzheimers disease. APP also inhibits Notch signaling through it's interaction with NUMB.
Specificity	AMYLOID PRECURSOR PROTEIN
Immunogen	Synthetic peptide corresponding to amino acids 672-681 of human APP or 1-10 of the Beta-amyloid peptide 40, Beta-amyloid peptide 42 and C99 peptide.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Conjugate	Unconjugated
Applications	IHC-P; WB
Format	Purified IgG - liquid
Size	100 µg
Preservative	0.09% Sodium Azide
Storage	in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	APP amyloid beta (A4) precursor protein [Homo sapiens (human)]
Official Symbol	APP
Synonyms	APP; amyloid beta (A4) precursor protein; AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; PN-II; CTFgamma; amyloid beta A4 protein; preA4; protease nexin-II; peptidase nexin-II; beta-amyloid peptide; beta-amyloid peptide(1-40); beta-amyloid peptide(1-42); alzheimer
Entrez Gene ID	351
Protein Refseq	NP_000475
UniProt ID	P05067
Chromosome Location	21q21.3
Pathway	Activated TLR4 signalling; Advanced glycosylation endproduct receptor signaling; Alzheimers disease; Alzheimers Disease; Amyloids; Caspase cascade in apoptosis; Class A/1 (Rhodopsin-like receptors); Cytosolic sensors of pathogen-associated DNA;
Function	DNA binding; PTB domain binding; acetylcholine receptor binding; enzyme binding; growth factor receptor binding; heparin binding; identical protein binding; peptidase activator activity; protein binding; receptor binding; serine-type endopeptidase inhibitor activity; transition metal ion binding;