



# Anti-APP (aa 737-751) polyclonal antibody (CPBT-66764RA)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	This product recognises both intact APP, and also the C99 fragment generated by Beta-secretase. The sequence recognised by this antibody corresponds to amino acids 85-99 of the C99 fragment. The C99 fragment itself is a substrate for gamma-secretase to generate the 4kD beta amyloid peptide which is found in the brains of Alzheimers disease patients. APP also inhibits Notch signaling through it's interaction with NUMB.
<b>Specificity</b>	AMYLOID PRECURSOR PROTEIN
<b>Immunogen</b>	Synthetic peptide corresponding to amino acids 737-751 of human APP
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P; WB
<b>Format</b>	Purified IgG - liquid
<b>Size</b>	100 µg
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	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	<a href="#">APP amyloid beta (A4) precursor protein [ Homo sapiens (human) ]</a>
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	<a href="#">351</a>
Protein Refseq	<a href="#">NP_000475</a>
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;