

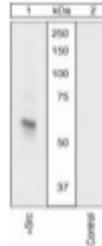
APP

Rabbit Anti-Human Amyloid beta (A4) Precursor Protein 42 pAb

Catalog No.	CSI12403	Quantity:	25 µg
Alternate Names:	AAA, ABETA, ABPP, AD1, APPI, CTFgamma, CVAP, PN2, A4 amyloid protein, amyloid beta A4 protein, amyloid-beta protein, beta-amyloid peptide, cerebral vascular amyloid peptide, peptidase nexin-II, protease nexin-II		
Description:	BETA AMYLOID 42 PAb, Unconjugated Polyclonal antibody specific to Human, Mouse, Rat Aβ [1-42]. This antibody is validated for use in Immunoassay (ELISA). Anti-Aβ [1-42] recognizes the expressed product of the APP gene.		
Gene ID:	351		
Immunogen:	The antibody was produced using a synthetic peptide derived from amino acids 36-42 within the carboxyl-terminus region of human β-Amyloid protein.		
Target Summary:	Alzheimer's Disease (AD) is characterized by the presence of extracellular plaques and intracellular neurofibrillary tangles (NFTs) in the brain. The major component of these plaques is Aβ peptide (β-amyloid), a 40 to 43 amino acid peptide cleaved from amyloid precursor protein (APP) by β-secretase (e.g., BACE) and a putative γ secretase. Increased release of the 'longer forms' of Aβ peptide, Aβ42 or Aβ43, which have a greater tendency to aggregate than Aβ40, occurs in individuals expressing certain genetic mutations, expressing certain ApoE alleles, or may		
Purification:	Purified from rabbit serum by peptide affinity chromatography.		
Formulation:	Rabbit polyclonal immunoglobulins in phosphate buffer, pH 7.4. Carrier and preservative free.		
Reactivity:	Reacts with human Aβ42. No significant cross-reactivity to Aβ40 has been observed. Previous lots have shown no cross reactivity to Aβ43. Cross-reactivity against Aβ42 from mouse, rat, pig, cow, sheep, dog, rabbit, frog and polar bear (100% homology) is expected but has not been tested.		
Applications:	The antibody has been used in ELISA. Previous lots of this antibody have been used in dot blots, RIA and other related assays.		
Application Notes:	For ELISA applications, we recommend using the antibody at 1.0 µg/mL. The optimal antibody concentration should be determined empirically for each specific application.		
Storage & Stability:			



Store at -80°C. Upon initial thawing, apportion into working aliquots and store at -80°C.
Avoid repeated freeze-thaw cycles to prevent denaturing the antibody.
Expires one year from the date of receipt when stored as instructed.



Western Blot.

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