

Datasheet for ABIN2617187
anti-APP antibody (AA 672-713)



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Overview

Quantity:	100 µg
Target:	APP
Binding Specificity:	AA 672-713
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human APP (672-713aaDAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVVIA), different from the related mouse and rat sequences by three amino acids.
Isotype:	IgG
Specificity:	Expressed in all fetal tissues examined with highest levels in brain, kidney, heart and spleen. Weak expression in liver. In adult brain, highest expression found in the frontal lobe of the cortex and in the anterior perisylvian cortex- opercular gyri. Moderate expression in the cerebellar cortex, the posterior perisylvian cortex-opercular gyri and the temporal associated cortex. Weak expression found in the striate, extra- striate and motor cortices. Expressed in cerebrospinal fluid, and plasma. Isoform APP695 is the predominant form in neuronal tissue, isoform APP751 and isoform APP770 are widely expressed in non- neuronal cells. Isoform

Product Details

APP751 is the most abundant form in T- lymphocytes. Appican is expressed in astrocytes. .

Purification: Immunogen affinity purified

Target Details

Target: APP

Alternative Name: APP / beta Amyloid ([APP Products](#))

Background: Name/Gene ID: APP
Family: Amyloid precursor protein

Synonyms: APP, ABPP, A4, ABETA, AD1, Alzheimer disease, Amyloid beta, Beta-amyloid peptide, APPI, Beta amyloid, CVAP, AAA, PN2, PreA4, Amyloid beta A4 protein, Peptidase nexin-II, CTFgamma, PN-II, Protease nexin-II

Gene ID: 351

Pathways: [Caspase Cascade in Apoptosis](#), [EGFR Signaling Pathway](#), [Transition Metal Ion Homeostasis](#), [Skeletal Muscle Fiber Development](#), [Toll-Like Receptors Cascades](#), [Feeding Behaviour](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: Target Species of Antibody: Human

Restrictions: For Research Use only

Handling

Format: Liquid

Reconstitution: Distilled water

Concentration: Lot specific

Buffer: Contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂ HPO₄, 0.05 mg Thimerosal, 0.05 mg sodium azide per 100 µg antibody.

Preservative: Sodium azide, Thimerosal (Merthiolate)

Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

Handling

Handling Advice: Avoid freeze-thaw cycles.

Storage: 4 °C,-20 °C

Storage Comment: At -20°C for 1 year. After reconstitution, at 4°C for 1 month. It can also be aliquotted and stored frozen at -20°C for a longer time.Avoid freeze-thaw cycles.