Datasheet for ABIN4900974

anti-beta Amyloid antibody (AA 221-270)

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Overview

Quantity:	100 µL
Target:	beta Amyloid (Abeta)
Binding Specificity:	AA 221-270
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This beta Amyloid antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Amyloid-β is a protein encoded by the APP gene which is approximately 86,9 kDa. Amyloid-β is localised to the cell membrane. It is involved in activated TLR4 signalling, peptide ligand-binding receptors and A-beta pathways including plaque formation and APP metabolism. It functions as a cell surface receptor that performs physiological functions on the surface of neurons relevant to neurite growth, neuronal adhesion and axonogenesis. It plays a role in cell mobility and transcription regulation through protein-protein interactions. Amyloid-β is expressed in the cerebrospinal fluid, brain, liver and all foetal tissues. Mutations in the APP gene may be implicated in Alzheimer disease. STJ98585 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This primary antibody detects endogenous levels of Amyloid-β.
Immunogen:	Synthesized peptide derived from Amyloid-beta
Isotype:	IgG

Product Details

Specificity:	Amyloid-β Polyclonal Antibody detects endogenous levels of Amyloid-β
Characteristics:	Rabbit Polyclonal to Amyloid-β.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	beta Amyloid (Abeta)
Alternative Name:	Amyloid-beta (Abeta Products)
Gene ID:	351
UniProt:	P05067
Pathways:	Inflammasome

Application Details

Application Notes:	WB 1:500-2000 ELISA 1:10000-20000
Comment:	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 APP751 is the most abundant form in T-lymphocytes. Appican is expressed in astrocytes.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid in PBS containing 50 % glycerol, 0.5 % BSA and 0.02 % sodium azide.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	-20 °C
Storage Comment:	Store at -20°C, and avoid repeat freeze-thaw cycles.