

Anti-BACE2 antibody



Description	Unconjugated Rabbit polyclonal to BACE2
Model	STJ192506
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human BACE2 protein.
Immunogen Region	210-290aa
Gene ID	25825
Gene Symbol	BACE2
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	BACE2 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Brain. Present in neurons within the hippocampus, frontal cortex and temporal cortex (at protein level). Expressed at low levels in most peripheral tissues and at higher levels in colon, kidney, pancreas, placenta, prostate, stomach and trachea. Expressed at low levels in the brain. Found in spinal cord, medulla oblongata, substantia nigra and locus coeruleus. Expressed in the ductal epithelium of both normal and malignant prostate.
Purification	BACE2 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Beta-secretase 2 Aspartic-like protease 56 kDa Aspartyl protease 1 ASP1 Asp

1 Beta-site amyloid precursor protein cleaving enzyme 2 Beta-site APP cleaving enzyme 2 Down region aspartic protease DRAP Me

Molecular Weight	56 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:934OMIM:605668
Alternative Names	Beta-secretase 2 Aspartic-like protease 56 kDa Aspartyl protease 1 ASP1 Asp 1 Beta-site amyloid precursor protein cleaving enzyme 2 Beta-site APP cleaving enzyme 2 Down region aspartic protease DRAP Me
Function	Responsible for the proteolytic processing of the amyloid precursor protein (APP). Cleaves APP, between residues 690 and 691, leading to the generation and extracellular release of beta-cleaved soluble APP, and a corresponding cell-associated C-terminal fragment which is later released by gamma-secretase. It has also been shown that it can cleave APP between residues 671 and 672.
Cellular Localization	Membrane. Single-pass type I membrane protein. Golgi apparatus. Endoplasmic reticulum. Endosome. Cell surface.
Post-translational Modifications	Undergoes autoproteolytic cleavage.; Glycosylated.