

β 淀粉样前体蛋白裂解酶 2 抗体

产品货号 : mlR11680

英文名称 : BACE2

中文名称 : β 淀粉样前体蛋白裂解酶 2 抗体

别 名 : ALP 56; ALP-56; ALP56; ALP56; Asp 1; ASP1; ASP1; ASP21; Aspartic Like Protease 56kDa; Aspartic Like Protease 56kDa; Aspartic-like protease 56 kDa; Aspartyl protease 1; Aspartyl protease 1; BACE 2; BACE 2; Bace2; BACE2_HUMAN; Beta Secretase 2; Beta Secretase 2; Beta Site Amyloid Beta A4 Precursor Protein Cleaving Enzyme 2; Beta Site Amyloid Beta A4 Precursor Protein Cleaving Enzyme 2; Beta-secretase 2; Beta-site amyloid precursor protein cleaving enzyme 2; Beta-site APP cleaving enzyme 2; Beta-site APP cleaving enzyme 2; Down region aspartic protease; Down region aspartic protease; Downs Syndrome Region Aspartic Protease; Downs Syndrome Region Aspartic Protease; DRAP; Memapsin 1; Memapsin1; Memapsin-1; Membrane associated aspartic protease 1; Membrane-associated aspartic protease 1; Theta-secretase.

研究领域 : 细胞生物 神经生物学 Alzheimer's

抗体来源 : Rabbit

克隆类型 : Polyclonal

交叉反应 : Mouse, Rat, Dog,

产品应用 : IHC-P=1:400-800 IHC-F=1:400-800 (石蜡切片需做抗原修复)

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量 : 50kDa

细胞定位 : 细胞浆 细胞膜 细胞外基质

性 状 : Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : KLH conjugated synthetic peptide derived from human BACE2:101-200/518

亚 型 : IgG

纯化方法 : affinity purified by Protein A

储 存 液 : 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件 : Store at -20 癯 for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20 癯. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 癯.

PubMed : PubMed

产品介绍 : Cerebral deposition of amyloid beta peptide is an early and critical feature of Alzheimer's disease and a frequent complication of Down syndrome. Amyloid beta peptide is generated by proteolytic cleavage of amyloid precursor protein by 2 proteases, one of which is the protein encoded by this gene. This gene localizes to the 'Down critical region' of chromosome 21. The encoded protein, a member of the peptidase A1 protein family, is a type I integral membrane glycoprotein and aspartic protease. Three transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008].

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.

Subunit:

Monomer. Interacts ith RTN3 and RTN4.

Subcellular Location:

Membrane. Golgi apparatus. Endoplasmic reticulum. Endosome. Cell surface.

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.

Post-translational modifications:

Undergoes autoproteolytic cleavage.

Glycosylated.

Similarity:

Belongs to the peptidase A1 family.

SWISS:

Q9Y5Z0

Gene ID:

25825

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic

applications.

产品图片

