BACE2 Antibody

Subcategory: Rabbit Polyclonal Antibody
Cat. No.: 253360
Unit: 0.1 mg

Description:
Accumulation of the amyloid-beta (Abeta) plaque in the cerebral cortex is a critical event in the pathogenesis of Alzheimer?s disease. Abeta peptide is generated by proteolytic cleavage of the beta-amyloid protein precursor (APP) at beta- and gamma-sites by proteases. The long-sought beta-secretase was recently identified by several groups independently and designated beta-site APP cleaving enzyme (BACE) and aspartyl protease 2 (Asp2). A BACE homolog was recently cloned and designated BACE2, Asp1, DRAP (for Down region aspartic protease), and memapsin 1. BACE2 also cleaves APP at beta-site and at a different site within Abeta. BACE2 locates on chromosome 21q22.3, the so-called ?Down critical region?, suggesting that BACE2 and Abeta may also contribute to the pathogenesis of Down syndrome.

Isotype: Rabbit Ig
Applications: E, WB, IHC
Species Reactivity: H, M, R
Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.
Alternate Names: BACE2 ; Asp2
Accession No.: AAF17078

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human BACE2.
Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:00-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.