BACE Antibody

Catalog No: #24100

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

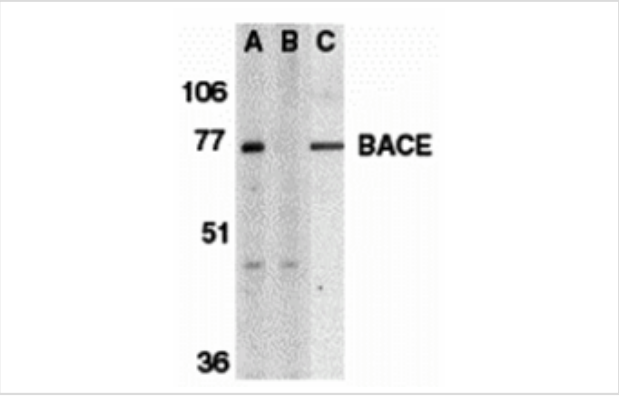
Description

Product Name	BACE Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Ion exchange chromatography purified
Applications	E WB ICC
Species Reactivity	Hu Ms
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to 17 amino acids at the carboxy terminus of human BACE.
Target Name	BACE
Other Names	Asp
Accession No.	AF190725
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

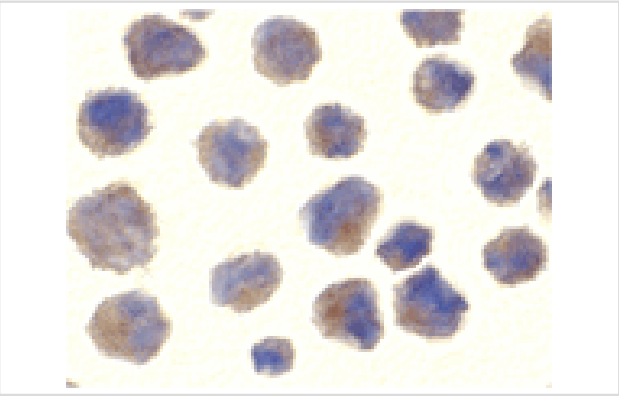
Application Details

Predicted MW: 70 kd

Images



Western blot analysis of BACE in human brain tissue lysate in the absence (A) or presence (B) of blocking peptide (2253P) and in mouse 3T3 cell lysate (C) with BACE antibody at 1 ug/mL.



Immunocytochemistry of BACE in 3T3 cells with BACE antibody at 10 ug/mL.

Background

Accumulation of the amyloid-beta (Abeta) plaque in the cerebral cortex is a critical event in the pathogenesis of Alzheimerβ s disease. Abeta peptide is generated by proteolytic cleavage of the beta-amyloid protein precursor (APP) at beta- and gamma-sites by two proteases. APP is first cleaved by beta-secretase, producing a soluble derivative of the protein and a membrane anchored 99-amino acid carboxy-terminal fragment (C99). The C99 fragment serves as substrate for gamma-secretase to generate the 4 kDa amyloid-beta peptide, which is deposited in the brains of all suffers of Alzheimerβ s disease. 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). BACE/Asp2 is a novel transmembrane aspartic protease and colocalizes with APP.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.