

Mouse Beta amyloid peptide Monoclonal Antibody | anti-Ab40 antibody

mAb anti-Amyloid Beta Peptide 40

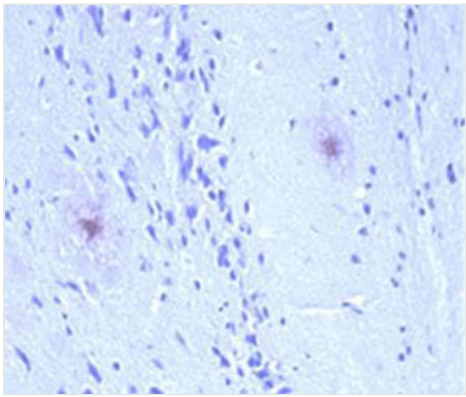
CATALOG # AAA77959	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

Beta amyloid peptide; Monoclonal Antibody; mAb anti-Amyloid Beta Peptide 40; anti-Ab40 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	4B1
Specificity	This antibody recognizes the C-terminal sequence (GLMVGGVV) of Abeta40 and full length Abeta40, but does not react with Nterminal peptide (DAEFRHDS), or full length human Abeta42 and Abeta43.
Purity/Purification	Protein G Affinity Purified
Form/Format	Lyophilized from a solution in 0.01M PBS pH7.2
Applicable Applications for anti-Ab40 antibody	IHC (Immunohistochemistry)
Research Area	Aging and Neurodegenerative Diseases
Fusion Myeloma	Sp2/0-Ag14
Immunogen	Full length Abeta40
Target Protein	Amyloid beta peptide 40
Reconstitution	Double distilled water is recommended to adjust the final concentration to 1.00 mg/ml.
Preparation and Storage	Store at -20°C



IHC (Immunohistochemistry)
IHC The picture below shows the 40x amplified brain tissue section from transgenic Alzheimer's disease mouse model after IHC staining with clone 4B1.(Procedure: After heat induced epitope retrieval, formalin-fixed paraffinembedded brain tissue section from 12month old APPswe/PSEN1dE9 mouse was incubated at 4°C with 0.01mg/ml 4B1 overnight. Bound antibody was detected using a HRP-labeled goat antimouse antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-Ab40 antibody	Description: Mouse monoclonal antibody to C-terminal of amyloid beta peptide 40 (Abeta40) Background: Abeta40 and Abeta42 are the two major amyloid peptides formed after cleavage of amyloid precursor protein. In blood and cerebrospinal fluid, the concentration of Abeta40 is about 10 times higher than that of Abeta42. Abeta40 is the main component in the amyloid deposit of vascular amyloid angiopathy. Detection of Abeta40 is useful for the predication of Alzheimer's disease. Lower than normal Abeta42/Abeta40 ratio in cerebrospinal fluid was found to be associated with increased risk of mild cognitive impairment and Alzheimer's disease.
Product Categories/Family for anti-Ab40 antibody	Monoclonal Antibodies to Neurological Disorder Proteins

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.