A29503

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BACE1 Rabbit mAb

Catalog No.: A29503 Recombinant

Basic Information

Observed MW
70 kDa

Calculated MW
42-56 kDa

Category
Monoclonal Antibody

Applications
WB,IHC-P,IP,ELISA

Cross-Reactivity
Human,Mouse,Rat

Background

This gene encodes a member of the peptidase A1 family of aspartic proteases. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature protease. This transmembrane protease catalyzes the first step in the formation of amyloid beta peptide from amyloid precursor protein. Amyloid beta peptides are the main constituent of amyloid beta plaques, which accumulate in the brains of human Alzheimer's disease patients.

Recommended Dilutions

WB	1:2000 - 1:15000
IP	0.5 μg - 4 μg antibody for 200 μg - 400 μg extracts of whole cells
IHC-P	1:100-1:400
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000) , a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
23621

Swiss Prot
P56817

Immunogen
This information is considered to be commercially sensitive.

Synonyms

Product Information

Source
Rabbit

Isotype
IgG

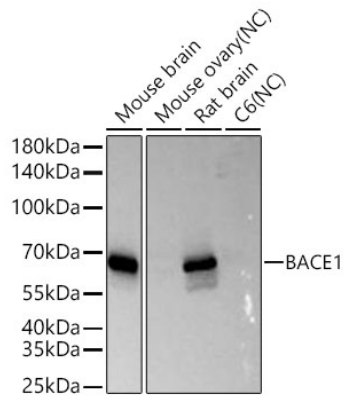
Purification
Affinity purification

Storage
Store at -20℃

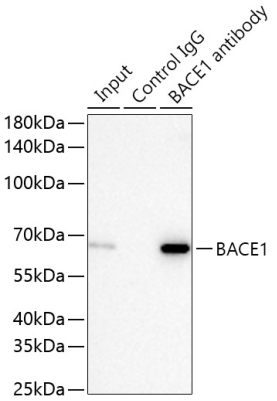
Contact

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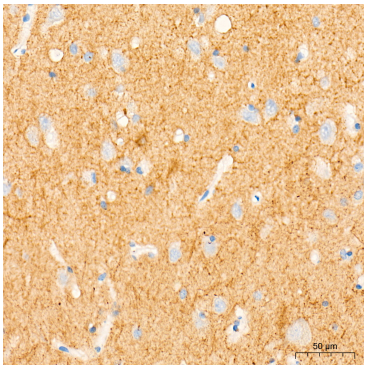
Validation Data



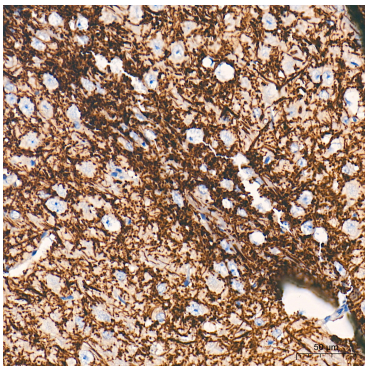
Western blot analysis of various lysates using BACE1 Rabbit mAb (A29503) at 1:5000 dilution incubated overnight at 4℃.|Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.|Lysates/proteins: 25 µg per lane.|Blocking buffer: 3% nonfat dry milk in TBST.|Detection: ECL Basic Kit (RM00020).|Negative control (NC): C6, Mouse ovary.|Exposure time: 5 s.



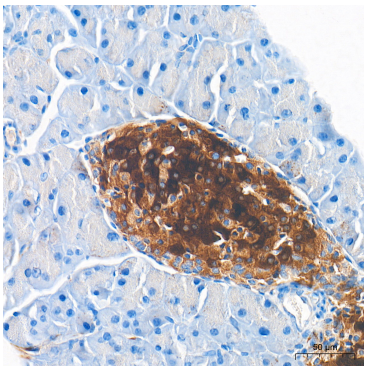
Immunoprecipitation of BACE1 from 300 µg extracts of Mouse hippocampus tissue was performed using 2 µg of BACE1 Rabbit mAb (A29495). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using BACE1 Rabbit mAb (A29495) at a dilution of 1:3000.



Immunohistochemistry analysis of paraffin-embedded Human brain tissue using BACE1 Rabbit mAb (A29503) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using BACE1 Rabbit mAb (A29503) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse pancreas tissue using BACE1 Rabbit mAb (A29503) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.