

Anti-Amyloid beta A4 APP Rabbit Monoclonal Antibody

Catalog Number: M00081

About APP

Phosphoinositide-3-kinase (PI3K) that phosphorylates PtdIns (Phosphatidylinositol), PtdIns4P (Phosphatidylinositol 4-phosphate) and PtdIns (4,5) P2 (Phosphatidylinositol 4,5-bisphosphate) to generate phosphatidylinositol 3,4,5-trisphosphate (PIP3) . PIP3 plays a key role by recruiting PH domain-containing proteins to the membrane, including AKT1 and PDK1, activating signaling cascades involved in cell growth, survival, proliferation, motility and morphology. Participates in cellular signaling in response to various growth factors.

Overview

Product Name	Anti-Amyloid beta A4 APP Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Amyloid beta A4 APP Rabbit Monoclonal Antibody catalog # M00081. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Monoclonal BGC-1
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P05067

Technical Details

Immunogen	A synthesized peptide derived from human Amyloid beta A4
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

WB 1:500-1:2000

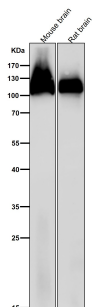
IHC 1:50-1:200

ICC/IF 1:50-1:200

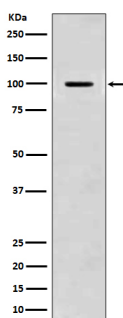
IP 1:50

FC 1:50

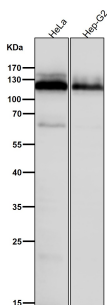
Anti-Amyloid beta A4 APP Rabbit Monoclonal Antibody (M00081) Images



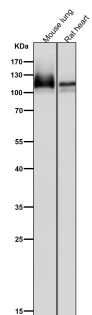
All lanes use the Antibody at 1:3W dilution for 1 hour at room temperature.



Western blot analysis of Amyloid beta A4 expression in mouse brain lysate.

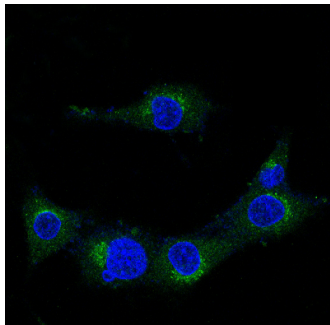
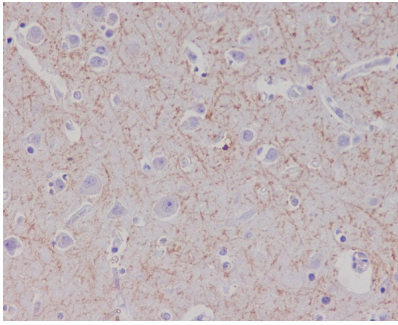


All lanes use the Antibody at 1:3W dilution for 1 hour at room temperature.

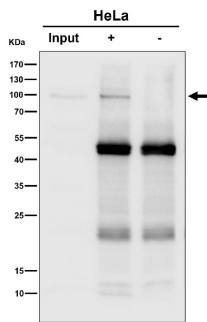


All lanes use the Antibody at 1:3W dilution for 1 hour at room temperature.

Immunohistochemical analysis of paraffin-embedded human brain, using Amyloid beta A4 Antibody .



Immunofluorescent analysis of SH-SY5Y cells, using Amyloid beta A4 Antibody .



Immunoprecipitate (IP) analysis using the Antibody at 1:50 dilution. (wb at 1:1K dilution)

5 Publications Citing This Product

1. PubMed ID: 32427716, Wu J,Qu JQ,Zhou YJ,Zhou YJ,Li YY,Huang NQ,Deng CM,Luo Y.Icariin improves cognitive deficits by reducing the deposition of beta-amyloid peptide and inhibition of neurons apoptosis in SAMP8 mice.Neuroreport.2020 Jun 7;31(9):663-671.doi:10.1097/WNR.000000000000000
2. PubMed ID: 26459718, Anti-autophagic and anti-apoptotic effects of memantine in a SH-SY5Y cell model of Alzheimer's disease via mammalian target of rapamycin-dependent and -independent pathways
3. PubMed ID: 29163135, Kuang X, Zhou HJ, Thorne AH, Chen XN, Li LJ, Du JR. Front Aging Neurosci. 2017 Nov 2;9:353. doi: 10.3389/fnagi.2017.00353. eCollection 2017. Neuroprotective Effect of Ligustilide through Induction of alpha-Secretase Processing of Both APP and Klotho i...

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