

Datasheet for ABIN870659
anti-APP antibody (N-Term)



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2 Images

Overview

Quantity:	100 µg
Target:	APP
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This APP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	Amyloid beta peptide (mouse)
Immunogen:	Peptide with sequence DAEFGHDSGF EVRHQK-C, from the N Terminus of the protein sequence according to NP_001185752.1, NP_031497.2, NP_001185753.1, NP_001185754.1, NP_001185755.1.
Sequence:	DAEFGHDSGF EVRHQK
Isotype:	IgG
Specificity:	This antibody is expected to recognize all reported isoforms of mAPP (NP_001185752.1, NP_031497.2, NP_001185753.1, NP_001185754.1, NP_001185755.1) and to recognize all lengths of the putative mouse Amyloid beta peptide.
Cross-Reactivity:	Mouse, Rat

Product Details

Purification: Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Grade: Verified

Target Details

Target: APP

Alternative Name: App ([APP Products](#))

Background: App, amyloid beta (A4) precursor protein, Abeta, Abpp, Adap, Ag, Cvap, E030013M08Rik, betaApp, alzheimer disease amyloid A4 protein homolog, amyloid beta A4 protein, amyloidogenic glycoprotein, appican, protease nexin II

Molecular Weight: 86.7kDa

Gene ID: 11820, 54226

NCBI Accession: [NP_001185752](#), [NP_031497](#), [NP_001185753](#), [NP_001185754](#), [NP_001185755](#)

Pathways: [Caspase Cascade in Apoptosis](#), [EGFR Signaling Pathway](#), [Transition Metal Ion Homeostasis](#), [Skeletal Muscle Fiber Development](#), [Toll-Like Receptors Cascades](#), [Feeding Behaviour](#)

Application Details

Application Notes: Immunohistochemistry: Paraffin embedded Human Brain (Cerebellum). Recommended concentration: 5 µg/mL.

Western Blot: Approx 100 kDa band observed in Mouse Brain lysates (calculated MW of 86.7 kDa according to NP_001185752.1). Recommended concentration: 0.03-0.1 µg/mL.

Primary incubation was 1 hour.

Peptide ELISA: antibody detection limit dilution 1:64000.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

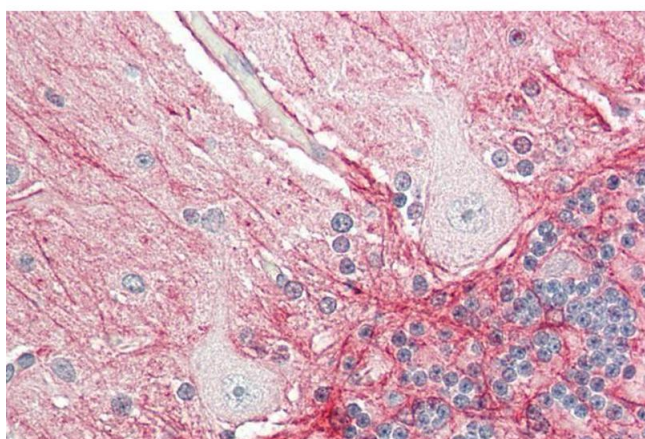
Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.

Preservative: Sodium azide

Handling

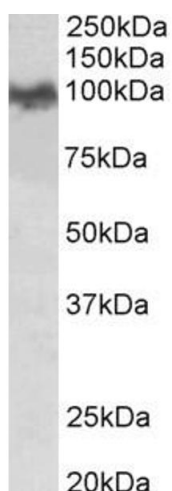
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images



Immunohistochemistry

Image 1. ABIN870659 (5µg/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer Ph 6, AP-staining.



Western Blotting

Image 2. ABIN870659 (0.03µg/ml) staining of Mouse Brain lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.