

Datasheet for ABIN2777739
anti-APP antibody (Middle Region)



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2 Images

Overview

Quantity:	100 µL
Target:	APP
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Rabbit, Horse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human APP
Sequence:	RMNQSLSLLY NVPAAVEEIQ DEVDELLQKE QNYSDDVLAN MISEPRISYG
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against APP. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	APP
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Target Details

Alternative Name:	APP (APP Products)
Background:	APP is a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Some of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to promote transcriptional activation, while others form the protein basis of the amyloid plaques found in the brains of patients with Alzheimer disease. Mutations in this gene have been implicated in autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy). Multiple transcript variants encoding several different isoforms have been found for this gene. This gene encodes a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Some of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to promote transcriptional activation, while others form the protein basis of the amyloid plaques found in the brains of patients with Alzheimer disease. Mutations in this gene have been implicated in autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy). Multiple transcript variants encoding several different isoforms have been found for this gene. Alias Symbols: AAA, ABETA, ABPP, AD1, APPI, CTFgamma, CVAP, PN2, PN-II Protein Size: 770
Molecular Weight:	85 kDa
Gene ID:	351
NCBI Accession:	NM_000484 , NP_000475
UniProt:	P05067
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:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 770 AA
Restrictions:	For Research Use only

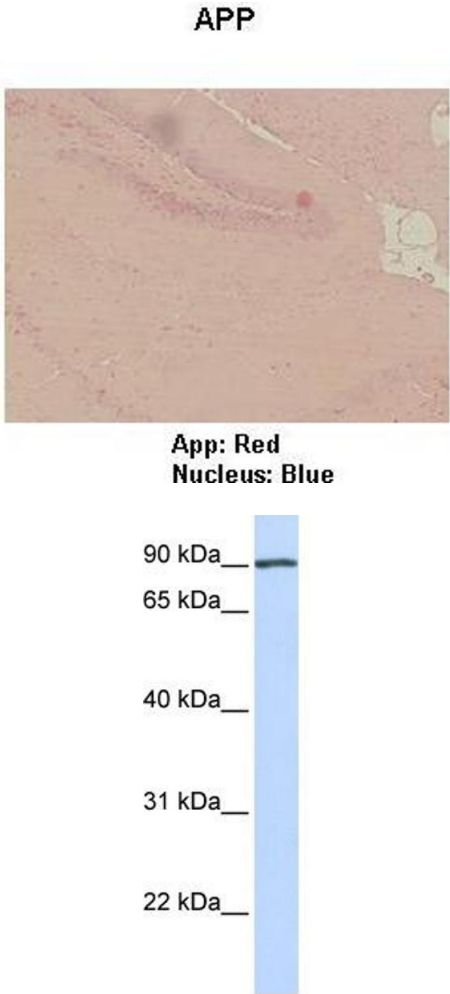
Handling

Format:	Liquid
Concentration:	Lot specific

Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. Sample Type : Mouse hippo campus Primary Antibody Dilution : 1:100 Secondary Antibody: Anti-rabbit-HRP Secondary Antibody Dilution: 1:300 Color/Signal Descriptions: App: Red Nucleus: Blue Gene Name: APP Submitted by: Teresa Gunn

Western Blotting

Image 2. WB Suggested Anti-APP Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:2500 Positive Control: Human heart