



Datasheet for ABIN1450013
anti-APBA1 antibody (N-Term)



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1 Image

Overview

Quantity:	0.1 mg
Target:	APBA1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APBA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	19 amino acid synthetic peptide near the amino terminus of Human APBA1
Isotype:	IgG
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	APBA1
Alternative Name:	APBA1 / MINT1 (APBA1 Products)
Background:	The Amyloid beta 4 (A4) precursor protein-binding family A member 1 (APBA1) is a member of the X11 protein family and a neuronal adapter protein that interacts with the Alzheimer's disease amyloid precursor protein (APP). APBA1 stabilizes APP and inhibits production of proteolytic APP fragments including the Abeta peptide that is deposited in the brains of

Target Details

Alzheimer's disease patients. It is thought to be involved in signal transduction processes and is a putative vesicular trafficking protein in the brain that can form a complex with the potential to couple synaptic vesicle exocytosis to neuronal cell adhesion. APBA1 can also bind to CASK, a multidomain scaffolding protein involved in brain development and synapse formation. Synonyms: Adapter protein X11alpha, Amyloid beta A4 precursor protein-binding family A member 1, Neuron-specific X11 protein, Neuronal Munc18-1-interacting protein 1

Molecular Weight: 92 kDa

Gene ID: 320

NCBI Accession: [NP_001154](#)

Pathways: [Synaptic Vesicle Exocytosis](#), [Dicarboxylic Acid Transport](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.02 % Sodium Azide as preservative

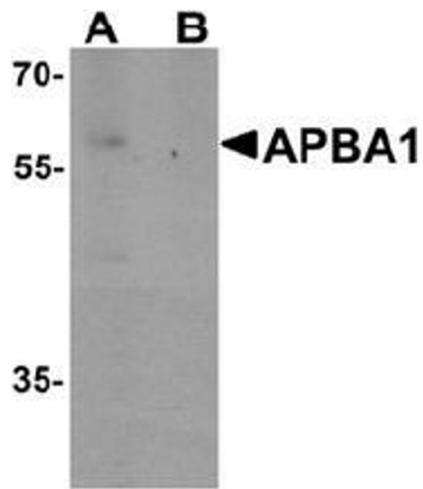
Preservative: Sodium azide

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 freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of APBA1 in rat brain tissue lysate with APBA1 Antibody at 0.5 $\mu\text{g/ml}$ in (A) the absence and (B) the presence of blocking peptide.