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Datasheet for 600-401-Y29

APBA1 Antibody

Overview

Description:	Anti-APBA1 (RABBIT) Antibody - 600-401-Y29
Item No.:	600-401-Y29
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

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 Ab peptide that is deposited in the brains of 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:	APBA1 Antibody, X11, X11A, LIN10, MINT1, D9S411E, X11ALPHA, X11, Amyloid beta A4 precursor protein-binding family A member 1, Adapter protein X11alpha, Mint-1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	APBA1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-APBA1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid synthetic peptide near the N-terminus of human APBA1.

Purity/Specificity:	Anti-APBA1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least two alternatively spliced isoforms are known to exist; this antibody will detect both isoforms. This antibody is predicted to not cross-react with other APBA proteins.
Relevant Links:	• UniProtKB - Q02410 • GeneID - 320 • NCBI - NP_001154

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-APBA1 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 93 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000
IF:	20 µg/mL
WB:	0.5 µg/mL

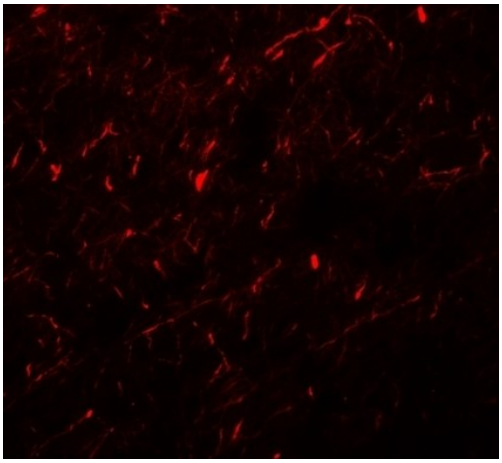
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

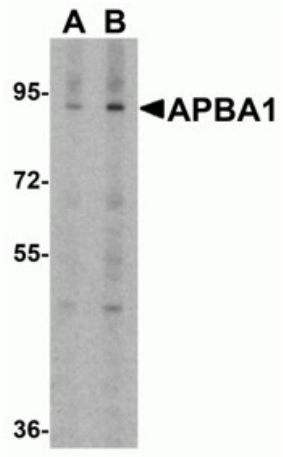
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy
Immunofluorescence of APBA1.
Tissue: human brain tissue.
Primary Antibody: APBA1 antibody at 20 µg/mL.



Western Blot
Western blot analysis of APBA1.
Load: rat brain tissue lysate.
Primary Antibody: APBA1 antibody at 0.5 µg/ml in (A) the absence and (B) the presence of blocking peptide.

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