



[Go to Product page](#)

Datasheet for ABIN1390657  
**anti-APBA1 antibody (AA 451-550) (Biotin)**

### Overview

Quantity:	100 µL
Target:	APBA1
Binding Specificity:	AA 451-550
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APBA1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human APBA1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Sheep,Pig,Chicken
Purification:	Purified by Protein A.

### Target Details

Target:	APBA1
Alternative Name:	APBA1 ( <a href="#">APBA1 Products</a> )

## Target Details

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**Background:** Synonyms: Adapter protein X11 alpha; Adapter protein X11alpha; Amyloid beta A4 precursor protein-binding family A member 1; Apba1; APBA1\_HUMAN; Mint 1; Mint-1; Neuron specic X11 protein; Neuron-specific X11 protein; Neuronal Munc18 1 interacting protein 1; Neuronal Munc18-1-interacting protein 1; UROP11; x11; X11alpha.

Background: The Beta-Amyloid precursor protein (Beta-APP) is a major constituent of the amyloid deposits in patients with Alzheimer's disease. The Beta-Amyloid precursor is known to interact with several proteins, including X11 and the G heterotrimeric protein APP-BP1. The neuronal, transmembrane protein X11 is known to bind to the -Amyloid precursor protein via a phosphotyrosine binding (PTB) domain, reducing the secretion of cellular Beta-APP and slowing Beta-APP processing pathways. X11 binds specifically to the YENPTY motif, which is involved in the internalization of Beta-APP. Multiple splice variants of X11 have been identified, including X11 $\alpha$  (also designated Mint 1), X11Beta (Mint 2) and X11(Mint 3).

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

## Application Details

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**Application Notes:** WB 1:300-5000  
IHC-P 1:200-400  
IHC-F 1:100-500

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Concentration:** 1  $\mu\text{g}/\mu\text{L}$

**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

**Preservative:** ProClin

**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

**Storage:** -20 °C

**Storage Comment:** Store at -20°C for 12 months.

**Expiry Date:** 12 months