

**Mouse Monoclonal Antibody to APBA2**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2486a****Specification**

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**Mouse Monoclonal Antibody to APBA2 - Product Information**

Application	WB, ICC, E
Primary Accession	<a href="#">Q99767</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	82.5kDa KDa

**Description**

The protein encoded by this gene is a member of the X11 protein family. It is a neuronal adapter protein that interacts with the Alzheimer's disease amyloid precursor protein (APP). It stabilizes APP and inhibits production of proteolytic APP fragments including the A beta peptide that is deposited in the brains of Alzheimer's disease patients. This gene product is believed to be involved in signal transduction processes. It is also regarded as 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. Multiple transcript variants encoding different isoforms have been found for this gene.;

**Immunogen**

Purified recombinant fragment of human APBA2 (AA: 15-158) expressed in E. Coli.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide

**Application Note**

ELISA: 1/10000; WB: 1/500 - 1/2000; ICC: 1/50 - 1/200;

**Mouse Monoclonal Antibody to APBA2 - Additional Information**

**Gene ID** 321

**Other Names**

X11L; MINT2; LIN-10; HsT16821; X11-BETA; D15S1518E; MGC:14091

**Dilution**

WB~~1:1000

ICC~~N/A

E~~N/A

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Mouse Monoclonal Antibody to APBA2 is for research use only and not for use in diagnostic or therapeutic procedures.

## Mouse Monoclonal Antibody to APBA2 - Protein Information

**Name** APBA2

**Synonyms** MINT2, X11L

### Function

Putative function in synaptic vesicle exocytosis by binding to STXBP1, an essential component of the synaptic vesicle exocytotic machinery. May modulate processing of the amyloid-beta precursor protein (APP) and hence formation of APP-beta.

### Tissue Location

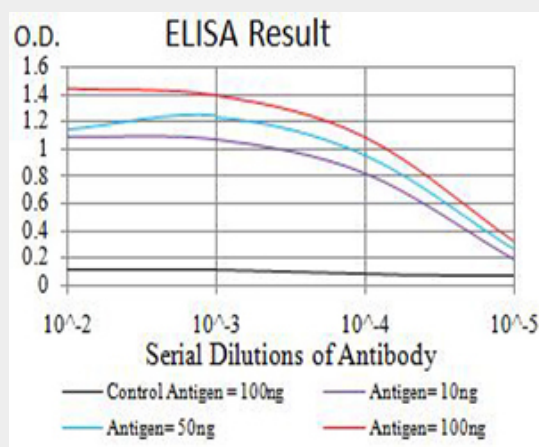
Brain.

## Mouse Monoclonal Antibody to APBA2 - Protocols

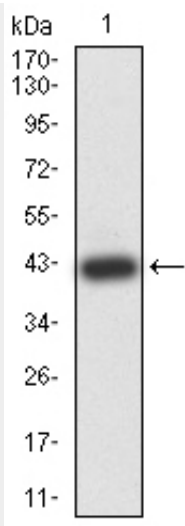
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

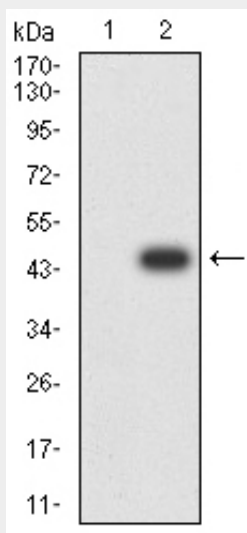
## Mouse Monoclonal Antibody to APBA2 - Images



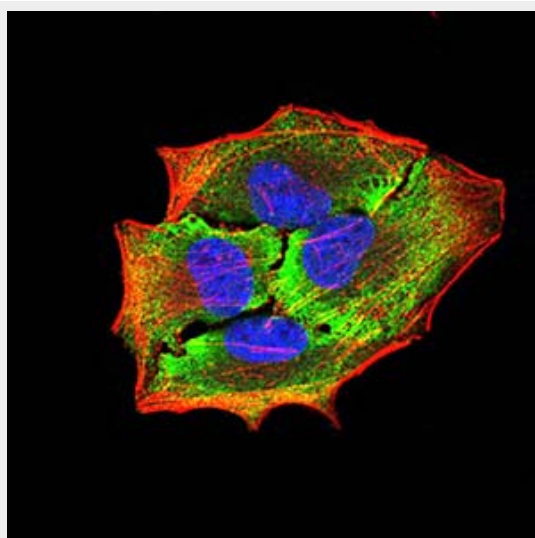
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Western blot analysis using APBA2 mAb against human APBA2 (AA: 15-158) recombinant protein. (Expected MW is 42 kDa)



Western blot analysis using APBA2 mAb against HEK293 (1) and APBA2 (AA: 15-158)-hIgGFc transfected HEK293 (2) cell lysate.



Immunofluorescence analysis of Hela cells using APBA2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher

**Mouse Monoclonal Antibody to APBA2 - References**

1.Neuroreport. 2012 Feb 15;23(3):146-51. ; 2.Autism Res. 2009 Dec;2(6):359-64. ;