

Mouse Monoclonal Antibody to APBA2
Purified Mouse Monoclonal Antibody
Catalog # AO2485a**Specification**

Mouse Monoclonal Antibody to APBA2 - Product Information

Application	E, WB, FC
Primary Accession	Q99767
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; FCM: 1/200 - 1/400

Mouse Monoclonal Antibody to APBA2 - Additional Information

Gene ID 321

Other Names

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

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

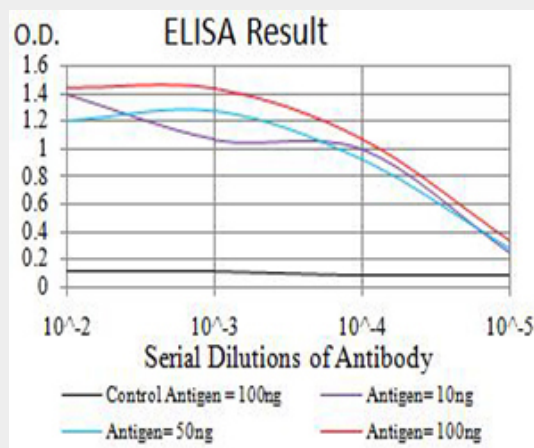
Brain.

Mouse Monoclonal Antibody to APBA2 - Protocols

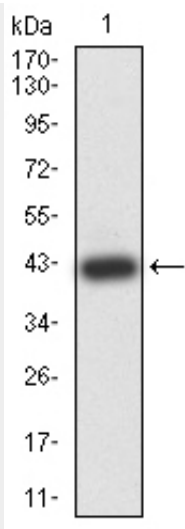
Provided below are standard protocols that you may find useful for product applications.

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

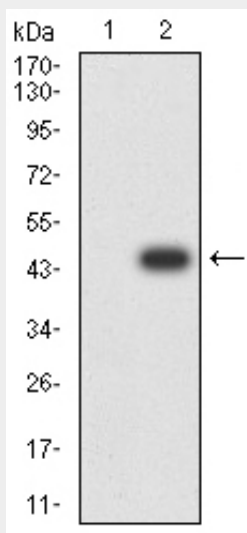
Mouse Monoclonal Antibody to APBA2 - Images



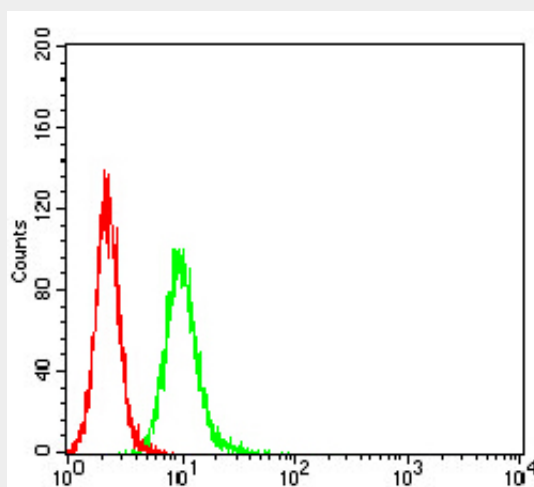
Black line: Control Antigen (100 ng); Purple line: Antigen (10 ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



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)-hlgGfC transfected HEK293 (2) cell lysate.



Flow cytometric analysis of HeLa cells using APBA2 mouse mAb (green) and negative control

(red).

Mouse Monoclonal Antibody to APBA2 - References

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