

Mouse Monoclonal Antibody to APBA2

Purified Mouse Monoclonal Antibody

Catalog # AO2486a

Product Information

Application	WB, ICC, E
Primary Accession	Q99767
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	1C12A4
Isotype	Mouse IgG1
Calculated MW	82512
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;

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.

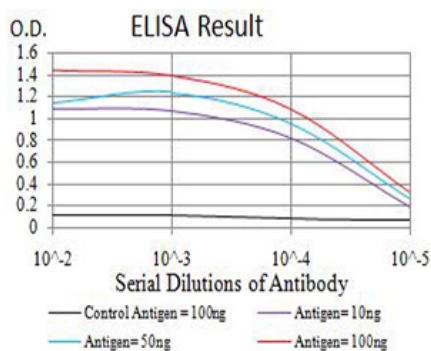
Protein Information

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.

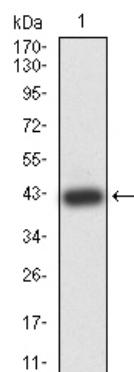
References

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

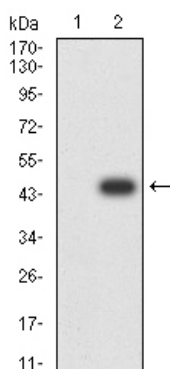
Images



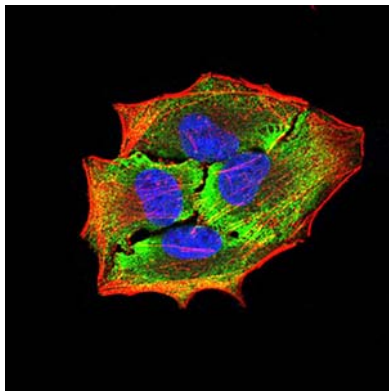
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.