



Rabbit Anti-Mint3 antibody

SL11058R

Product Name:	Mint3
Chinese Name:	β淀粉样前体蛋白Binding protein3抗体
Alias:	Adapter protein X11gamma; amyloid beta (A4) precursor protein binding, family A, member 3; Amyloid beta precursor protein binding, family A, member 3 phosphotyrosine binding/ interacting domain (PTB) bearing protein; APBA3; lin 10; MGC:15815; Mint 3; Mint3; Mint-3; Neuron specific X11L2 protein; Neuronal Munc18 1 interacting protein 3; phosphotyrosine binding/interacting domain (PTB) bearing protein; X11 like 2 protein 2; X11gamma; X11L2; APBA3 RAT.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Mouse,Rat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	63kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from Rat Mint3:241-340/569
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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 Beta-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), X11 Beta (Mint 2) and X11 (Mint 3).

Function:

May modulate processing of the beta-amyloid precursor protein (APP) and hence formation of beta-APP. May enhance the activity of HIF1A in macrophages by inhibiting the activity of HIF1AN (By similarity).

Subunit:

Binds to the cytoplasmic domain of amyloid protein (APP). Interacts with HIF1AN (via N-terminus) (By similarity).

Subcellular Location:

Cytoplasm; perinuclear region.

Tissue Specificity:

Ubiquitous.

Similarity:

Contains 2 PDZ (DHR) domains.
Contains 1 PID domain.

SWISS:

O70248

Gene ID:

83611

Database links:

[Entrez Gene: 57267](#) Mouse

[Entrez Gene: 83611](#) Rat

[SwissProt: O88888](#) Mouse

[SwissProt: O70248](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications.
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