

## ARG45327 anti-RIMBP2 antibody

Package: 50 μg Store at: -20°C

## Summary

Product Description	Polyclonal antibody recognizes RIMBP2
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
lsotype	Rabbit IgG
Target Name	RIMBP2
Species	Human
Immunogen	Recombinant protein containing to human RIMBP2.
Conjugation	Un-conjugated
Alternate Names	RIMBP2; RIMS Binding Protein 2; RIM-BP2; RBP2; KIAA0318; PPP1R133; Protein Phosphatase 1, Regulatory Subunit 133; RIMS-Binding Protein 2; MGC15831; RIM Binding Protein 2

# **Application Instructions**

Application table	Application	Dilution
	FACS	1 - 3 μg/10^6 cells
	IHC-P	2-5 μg/ml
	WB	0.25-0.5 μg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	116 kDa	

## Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

## Bioinformation

Gene Symbol	RIMBP2
Gene Full Name	RIMS Binding Protein 2
Background	Predicted to enable voltage-gated calcium channel activity involved in regulation of presynaptic cytosolic calcium levels and voltage-gated monoatomic ion channel activity involved in regulation of presynaptic membrane potential. Predicted to be a structural constituent of presynaptic active zone. Predicted to be involved in neuromuscular synaptic transmission; regulation of calcium-dependent activation of synaptic vesicle fusion; and regulation of presynaptic membrane potential. Predicted to be located in plasma membrane and synapse. Predicted to be active in calyx of Held; glutamatergic synapse; and presynaptic active zone cytoplasmic component. [provided by Alliance of Genome Resources, Nov 2024]
Function	Plays a role in the synaptic transmission as bifunctional linker that interacts simultaneously with RIMS1, RIMS2, CACNA1D and CACNA1B [UniProt]
Calculated Mw	20 kDa
PTM	Phosphoprotein. [UniProt]
Cellular Localization	Cell membrane; Membrane; Synapse. [UniProt]

Images



## ARG45327 anti-RIMBP2 antibody WB image

Western blot: SH-SY5Y stained with ARG45327 anti-RIMBP2 antibody at 0.5  $\mu g/ml$  dilution.



#### ARG45327 anti-RIMBP2 antibody FACS image

Flow Cytometry: U20S stained with ARG45327 anti-RIMBP2 antibody at 1  $\mu g/10^{\circ}6$  cells dilution.



# - 180 - 130 - 115 - 85 - 60 - 45

#### ARG45327 anti-RIMBP2 antibody IHC-P image

Immunohistochemistry: Rat brain stained with ARG45327 anti-RIMBP2 antibody at 2  $\mu g/ml$  dilution.

#### ARG45327 anti-RIMBP2 antibody WB image

Western blot: Rat brain stained with ARG45327 anti-RIMBP2 antibody at 0.5  $\mu g/ml$  dilution.



## ARG45327 anti-RIMBP2 antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG45327 anti-RIMBP2 antibody at 2  $\mu g/ml$  dilution.



#### ARG45327 anti-RIMBP2 antibody WB image

Western blot: Mouse brain stained with ARG45327 anti-RIMBP2 antibody at 0.5  $\mu g/ml$  dilution.