

ARG45300 anti-RBM25 antibody

Package: 50 μg Store at: -20°C

Summary

Product Description	Polyclonal antibody recognizes RBM25
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	RBM25
Species	Human
Immunogen	Recombinant protein containing to human RBM25.
Conjugation	Un-conjugated
Alternate Names	RBM25; RNA Binding Motif Protein 25; FSAP94; NET52; Snu71; RNPC7; S164; Functional Spliceosome- Associated Protein 94; RNA-Binding Region (RNP1, RRM) Containing 7; RNA-Binding Region-Containing Protein 7; Arg/Glu/Asp-Rich Protein Of 120 KDa; RNA-Binding Protein 25; RED120; U1 Small Nuclear Ribonucleoprotein 1SNRP Homolog; Arg/Glu/Asp-Rich Protein, 120 KDa; RNA-Binding Motif Protein 25; Protein S164

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	100 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.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	RBM25
Gene Full Name	RNA Binding Motif Protein 25
Background	Enables mRNA binding activity. Involved in regulation of alternative mRNA splicing, via spliceosome and regulation of apoptotic process. Located in nuclear speck. [provided by Alliance of Genome Resources, Nov 2024]
Function	RNA-binding protein that acts as a regulator of alternative pre-mRNA splicing. Involved in apoptotic cell death through the regulation of the apoptotic factor BCL2L1 isoform expression. Modulates the ratio of proapoptotic BCL2L1 isoform S to antiapoptotic BCL2L1 isoform L mRNA expression. When overexpressed, stimulates proapoptotic BCL2L1 isoform S 5'-splice site (5'-ss) selection, whereas its depletion caused the accumulation of antiapoptotic BCL2L1 isoform L. Promotes BCL2L1 isoform S 5'-ss usage through the 5'-CGGGCA-3' RNA sequence. Its association with LUC7L3 promotes U1 snRNP binding to a weak 5' ss in a 5'-CGGGCA-3'-dependent manner. Binds to the exonic splicing enhancer 5'-CGGGCA-3' RNA sequence located within exon 2 of the BCL2L1 pre-mRNA. Also involved in the generation of an abnormal and truncated splice form of SCN5A in heart failure [UniProt]
Calculated Mw	51 kDa
PTM	Acetylation; Isopeptide bond; Phosphoprotein; Ubl conjugation. [UniProt]
Cellular Localization	Cytoplasm; Nucleus. [UniProt]

Images



ARG45300 anti-RBM25 antibody WB image

Western blot: PC-2 and SiHa stained with ARG45300 anti-RBM25 antibody at 0.5 $\mu g/ml$ dilution.



ARG45300 anti-RBM25 antibody FACS image

Flow Cytometry: SiHa stained with ARG45300 anti-RBM25 antibody at 1 $\mu\text{g}/10^{4}$ cells dilution.





ARG45300 anti-RBM25 antibody IHC-P image

Immunohistochemistry: Rat brain stained with ARG45300 anti-RBM25 antibody at 2 $\mu g/ml$ dilution.

ARG45300 anti-RBM25 antibody WB image

Western blot: RH35 and PC-12 stained with ARG45300 anti-RBM25 antibody at 0.5 $\mu g/ml$ dilution.



ARG45300 anti-RBM25 antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG45300 anti-RBM25 antibody at 2 $\mu g/ml$ dilution.



ARG45300 anti-RBM25 antibody WB image

Western blot: NIH/3T3 and RAW264.7 stained with ARG45300 anti-RBM25 antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.