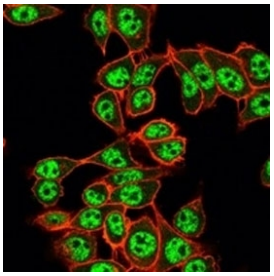
RBM8A/Y14 Antibody [clone PCRP-RBM8A-1B4] (V9259)

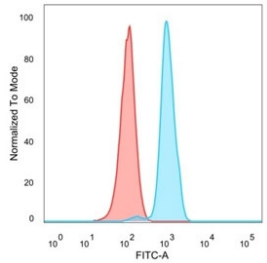
Catalog No.	Formulation	Size
V9259-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9259-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9259SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

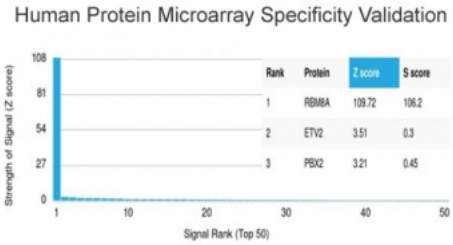
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	PCRP-RBM8A-1B4
Purity	Protein A/G affinity
UniProt	Q9Y5S9
Localization	Nucleus and cytoplasm
Applications	Flow cytometry: 1-2ug/million cells Immunofluorescence: 1-2ug/ml Western blot: 1-2ug/ml
Limitations	This RBM8A/Y14 antibody is available for research use only.



Immunofluorescent staining of PFA-fixed human HeLa cells using RBM8A/Y14 antibody (green, clone PCRP-RBM8A-1B4) and phalloidin (red).



FACS staining of PFA-fixed human HeLa cells with RBM8A/Y14 antibody (blue, clone PCRP-RBM8A-1B4), and unstained cells (red).



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using RBM8A/Y14 antibody (clone PCRP-RBM8A-1B4). These results demonstrate the foremost specificity of the PCRP-RBM8A-1B4 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

Description

The exon junction complex (EJC) is a multiprotein complex that assembles approximately 20-24 nucleotides upstream of exon-exon junctions in pre-mRNAs. It is involved in mRNA export, cytoplasmic localization, and nonsense-mediated mRNA decay. Members of the EJC include Y14, Aly/REF, Magoh, RNPS1, SRm160, and DEK. Aly/REF, Magoh, and Y14, identified as RBM8 in mouse and rat, make up the core of the EJC, and these proteins remain stably bound to spliced mRNAs in the cytoplasm until they are translated. Therefore, Y14, Aly/REF, and Magoh have the ability to communicate to the cytoplasm the processing history of the mRNA, including the position of the removed introns. The gene encoding human Y14 encodes three transcripts. Y14 is a ubiquitously expressed protein. Although Y14 shuttles to the cytoplasm, it is predominantly detected in the nucleus and is co-localized with oskar mRNA at the posterior pole of the cell.

Application Notes

Optimal dilution of the RBM8A/Y14 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human RBM8A protein was used as the immunogen for the RBM8A/Y14 antibody.

Storage

Aliquot the RBM8A/Y14 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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