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RBM42 Rabbit pAb

Catalog # AP98948

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9BTD8
Other Accession	Q9BTD8
Reactivity	Mouse
Predicted	Rat, Pig, Human, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50414
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RBM42
Epitope Specificity	381-480/480
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the RRM RBM42 family. Contains 1 RRM (RNA recognition motif) domain.
SUBUNIT	Interacts with HNRNPK.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	RNA binding motif protein 42 (RBM42) C-terminal domain interacts with HNRNPK C-terminla domain and RNA. RBM42 and HNRNPK are involved in the maintenance of cellular ATP levels during stress, possibly by protecting critical mRNAs. Upon stress response, RBM42 localizes with HNRNPK in cytoplasmic aggregates of stalled translational pre-initiation complexes called stress granules. There are 4 isoforms produced by alternative splicing.

Additional Information

Gene ID	79171
Other Names	RBM42_HUMAN; RBM42; RNA-binding motif protein 42; RBM42_MOUSE; RBM42_RAT; RNA binding motif protein 42
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	RBM42
Function	Binds (via the RRM domain) to the 3'-untranslated region (UTR) of CDKN1A mRNA.
Cellular Location	Nucleus. Cytoplasm. Note=Upon stress response, localizes with HNRNPK in cytoplasmic aggregates of stalled translational preinitiation complexes called stress granules.

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