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LUCA15 Rabbit pAb

Catalog # AP100237

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P52756
Other Accession	P52756
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	92154
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RBM5/LUCA15
Epitope Specificity	731-815/815
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 RBM5/RBM10 family.Contains 1 C2H2-type zinc finger.Contains 1 G-patch domain.Contains 1 RanBP2-type zinc finger.Contains 2 RRM (RNA recognition motif) domains.
SUBUNIT	Component of the spliceosome A complex (also known as the prespliceosome). Appears to dissociate from the spliceosome upon formation of the spliceosome B complex (also known as the precatalytic spliceosome), in which the heterotrimeric U4/U6.U5 snRNPs are bound. Interacts with U2AF2; this interaction is direct. Also interacts with ACIN1, PRPF8, SFRS3, SNRPB, SNRPN, SNRNP70 and SNRNP200; these interactions may be indirect.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	RBM5 (RNA binding motif protein 5) is a nuclear SR related RNA binding protein which specifically binds poly(G) RNA homopolymers in vitro. It modulates both apoptosis and the cell cycle, and retards tumor formation.

Additional Information

Gene ID	10181
Other Names	G15; H37; LUCA-15; LUCA15; RMB5; D030069N10Rik; RBM5_BOVIN; RBM5; Putative tumor suppressor LUCA15; RNA-binding motif protein 5; RBM5_HUMAN; Protein G15; Renal carcinoma antigen NY-REN-9; RBM5_MOUSE; RBM5_RAT; RNA binding motif protein 5
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	RBM5
Function	Component of the spliceosome A complex. Binds to ssRNA containing the consensus sequence 5'-AGGUAA-3' (PubMed:21256132). Regulates alternative splicing of a number of mRNAs. May modulate splice site pairing after recruitment of the U1 and U2 snRNPs to the 5' and 3' splice sites of the intron. May both positively and negatively regulate apoptosis by regulating the alternative splicing of several genes involved in this process, including FAS and CASP2/caspase-2. In the case of FAS, promotes exclusion of exon 6 thereby producing a soluble form of FAS that inhibits apoptosis. In the case of CASP2/caspase-2, promotes exclusion of exon 9 thereby producing a catalytically active form of CASP2/Caspase-2 that induces apoptosis.
Cellular Location	Nucleus.
Tissue Location	Isoform 5 is widely expressed in normal tissues and is expressed at increased levels in T-leukemic cell lines

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