
Product Name: LUCA15 Rabbit Polyclonal Antibody**Catalog #: APRab13486**

For research use only.

Summary

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|----------------------|---|
| Description | Rabbit polyclonal Antibody |
| Host | Rabbit |
| Application | WB,IHC,ICC/IF,ELISA |
| Reactivity | Human,Mouse |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG |
| Clonality | Polyclonal |
| Form | Liquid |
| Concentration | 1mg/ml |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| Purification | Affinity purification |

Application

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|-------------------------|--|
| Dilution Ratio | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000 |
| Molecular Weight | 92kDa |

Antigen Information

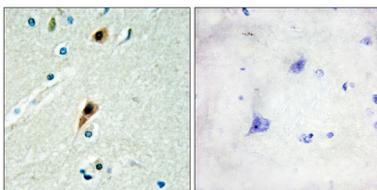
| | |
|--------------------------|--|
| Gene Name | RBM5 |
| Alternative Names | RBM5; H37; LUCA15; RNA-binding protein 5; Protein G15; Putative tumor suppressor LUCA15; RNA-binding motif protein 5; Renal carcinoma antigen NY-REN-9 |
| Gene ID | 10181.0 |
| SwissProt ID | P52756 |
| Immunogen | The antiserum was produced against synthesized peptide derived from human RBM5. AA range:226-275 |

Background

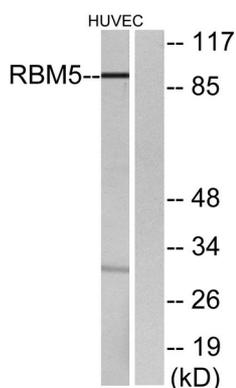
This gene is a candidate tumor suppressor gene which encodes a nuclear RNA binding protein that is a component of the spliceosome A complex. The encoded protein plays a role in the induction of cell cycle arrest and apoptosis through pre-mRNA splicing of multiple target genes including the tumor suppressor protein p53. This gene is located within the tumor suppressor region 3p21.3, and may play a role in the inhibition of tumor transformation and progression of several malignancies including lung cancer. [provided by RefSeq, Oct 2011],function:Component of the spliceosome A complex. 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.,sequence caution:Wrong choice of CDS.,similarity:Belongs to the RBM5/RBM10 family.,similarity:Contains 1 C2H2-type zinc finger.,similarity:Contains 1 G-patch domain.,similarity:Contains 1 RanBP2-type zinc finger.,similarity: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.,tissue specificity:Isoform 5 is widely expressed in normal tissues and is expressed at increased levels in T-leukaemic cell lines.,

Research Area

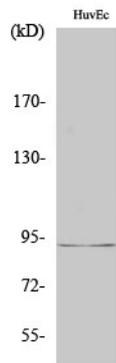
Image Data



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using RBM5 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HUVEC cells, using RBM5 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using LUCA15 Polyclonal Antibody.