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RBM35B Antibody
Catalog # ASC11284

Specification

RBM35B Antibody - Product Information

Application	**WB, IHC, IF**
Primary Accession	Q9H6T0
Other Accession	NP_079215, 45935393
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Application Notes	**RBM35B antibody can be used for detection of RBM35B by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.**

RBM35B Antibody - Additional Information

Gene ID **80004**

Target/Specificity
ESRP2; RBM35B antibody is predicted to not cross-react with other RBM35/ESRP family members. At least three isoforms of RBM35B are known to exist; this antibody will detect all three.

Reconstitution & Storage
RBM35B antibody can be stored at 4℃ for three months and -20℃, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions
RBM35B Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

RBM35B Antibody - Protein Information

Name ESRP2

Synonyms RBM35B

Function
mRNA splicing factor that regulates the formation of epithelial cell-specific isoforms. Specifically regulates the expression of FGFR2-IIIb, an epithelial cell-specific isoform of FGFR2. Also regulates the splicing of CD44, CTNND1, ENAH, 3 transcripts that undergo changes in splicing during the epithelial-to-mesenchymal transition (EMT). Acts by directly binding specific sequences in mRNAs. Binds the GU-rich sequence motifs in the ISE/ISS-3, a cis-element regulatory region present in the mRNA of FGFR2.

Cellular Location

Nucleus.

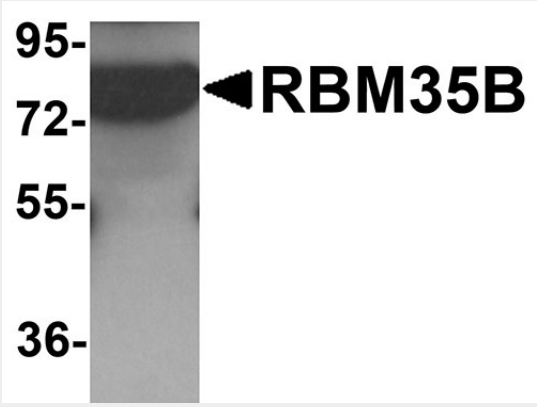
Tissue Location
Epithelial cell-specific.

RBM35B Antibody - Protocols

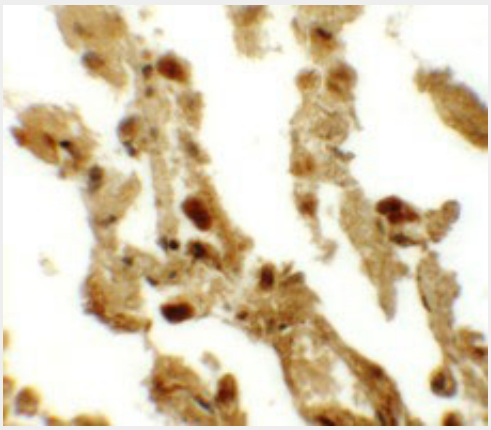
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RBM35B Antibody - Images

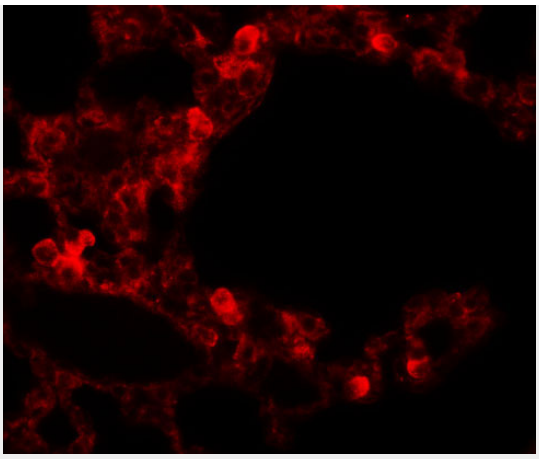


Western blot analysis of RBM35B in human lung tissue lysate with RBM35B antibody at 1 µg/mL.



Immunohistochemistry of RBM35B in human lung tissue with RBM35B antibody at 5 µg/mL.

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Immunofluorescence of RBM35B in human lung tissue cells with RBM35B antibody at 20 µg/mL.

RBM35B Antibody - Background

RBM35B Antibody: RBM35A, also known as ESRP2, is a mRNA splicing factor that with its related protein RBM35A (ESRP1) are coordinators of an epithelial cell-type-specific splicing program. Both RBM35B and RBM35A are involved in posttranscriptional regulation of a number of genes such as FGFR2, CD44, CTNND1, and ENAH by exerting a differential effect on protein translation via 5' UTRs of mRNAs, suggesting that these proteins are global regulators of an epithelial regulatory network. Loss of this global ESRP-regulated epithelial splicing programme induces the phenotypic changes in cell morphology that are observed during the epithelial-mesenchymal transition.

RBM35B Antibody - References

Warzecha CC, Sato TK, Nabet B, et al. ESRP1 and ESRP2 are epithelial cell-type-specific regulators of FGFR2 splicing. Mol Cell. 2009; 33:591-601.
Warzecha CC, Jiang P, Amirikian K, et al. An ESRP-regulated splicing programme is abrogated during the epithelial-mesenchymal transition. EMBO J. 2010; 29:3286-300.
Warzecha CC, Shen S, Xing Y, et al. The epithelial splicing factors ESRP1 and ESRP2 positively and negatively regulate diverse types of alternative splicing events. RNA Biol. 2009; 6:546-62.