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RBM35A/ESRP1 Rabbit pAb

Catalog # AP99980

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q6NXG1
Other Accession	Q6NXG1
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75585
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RBM35A
Epitope Specificity	151-250/681
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 ESRP family. Contains 3 RRM (RNA recognition motif) domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	ESPR1 is an epithelial cell-type-specific splicing regulator (Warzecha et al., 2009 [PubMed 19285943]).[supplied by OMIM, Aug 2009]

Additional Information

Gene ID	54845
Other Names	RBM35A; DFNB109; RMB35A; 2210008M09Rik; A630065D16; RGD1560481; ESRP1_HUMAN; ESRP1; RNA-binding motif protein 35A; RNA-binding protein 35A; ESRP1_MOUSE; ESRP1_RAT; epithelial splicing regulatory protein 1; RNA binding motif protein 35A
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	ESRP1
Synonyms	RBM35A

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 (PubMed:19285943). Regulates splicing and expression of genes involved in inner ear development, auditory hair cell differentiation, and cell fate specification in the cochlear epithelium (By similarity).
Cellular Location	Nucleus.
Tissue Location	Epithelial cell-specific.

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