



Rabbit Anti-Fox2 antibody

SL12299R

Product Name:	Fox2
Chinese Name:	RNABinding protein9抗体
Alias:	RBM9; HRNBP2; Fox 1 homologue; Fox-1 homolog B; FOX2; FXH; Hexaribonucleotide-binding protein 2; HNRBP2; RBFOX2; Repressor of tamoxifen transcriptional activity; RFOX2_HUMAN; RNA binding motif protein 9; RNA binding protein 9; RNA binding protein fox-1 homolog 2; RNA-binding motif protein 9; RNA-binding protein 9; RTA; FOX2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	41kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from Human Fox2/RBM9:65-170/390
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	This gene is one of several human genes similar to the C. elegans gene Fox-1. This gene encodes an RNA binding protein that is thought to be a key regulator of alternative exon splicing in the nervous system and other cell types. The protein binds to a conserved

UGCAUG element found downstream of many alternatively spliced exons and promotes inclusion of the alternative exon in mature transcripts. The protein also interacts with the estrogen receptor 1 transcription factor and regulates estrogen receptor 1 transcriptional activity. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Function:

RNA-binding protein that regulates alternative splicing events by binding to 5'-UGCAUGU-3' elements. Prevents binding of U2AF2 to the 3'-splice site. Regulates alternative splicing of tissue-specific exons and of differentially spliced exons during erythropoiesis (By similarity). RNA-binding protein that seems to act as a coregulatory factor of ER-alpha.

Subunit:

Interacts with ER-alpha N-terminal activation domain.

Subcellular Location:

Nucleus. Cytoplasm.

Similarity:

Contains 1 RRM (RNA recognition motif) domain.

SWISS:

O43251

Gene ID:

23543

Database links:

[Entrez Gene: 23543](#) Human

[Entrez Gene: 93686](#) Mouse

[Omim: 612149](#) Human

[SwissProt: O43251](#) Human

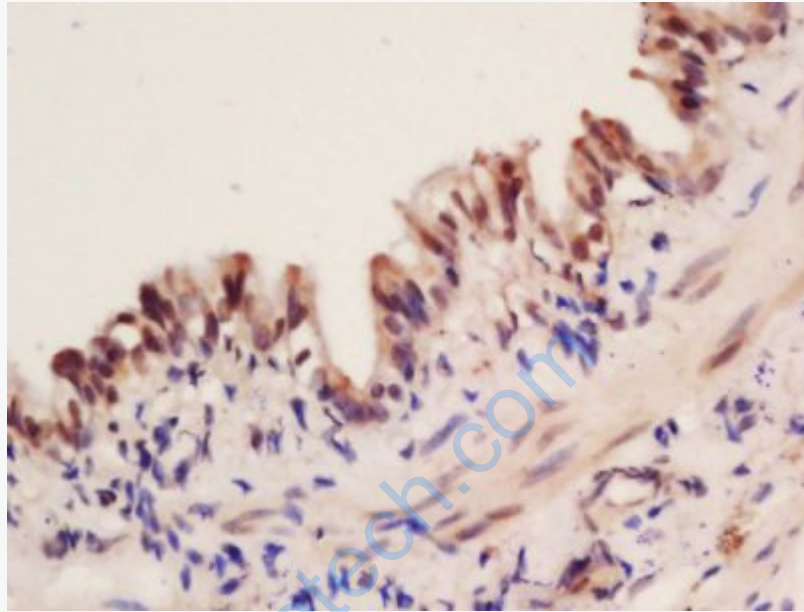
[SwissProt: Q8BP71](#) Mouse

[Unigene: 282998](#) Human

[Unigene: 202774](#) Mouse

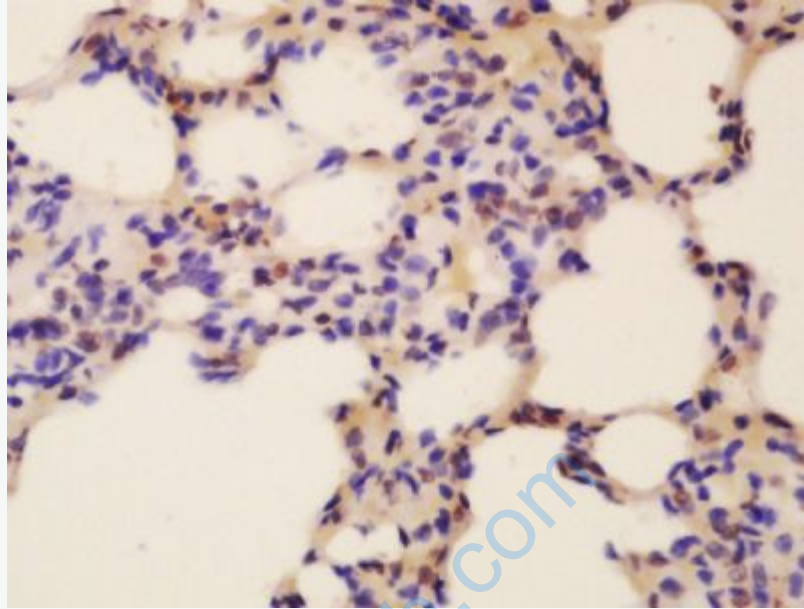
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Tissue/cell: mouse lung tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-Fox2 Polyclonal Antibody, Unconjugated(SL12299R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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