



Rabbit Anti-RBM3 antibody

SL5902R

Product Name:	RBM3
Chinese Name:	RNA结合基因蛋白3抗体
Alias:	Putative RNA binding protein 3; RNA binding motif (RNP1, RRM) protein 3; RNA binding motif protein 3; RNPL; RP23-27I6.7; RBM3_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	17kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RBM3:31-130/157
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 a member of the glycine-rich RNA-binding protein family and encodes a protein with one RNA recognition motif (RRM) domain. Expression of this gene is induced by cold shock and low oxygen tension. A pseudogene exists on chromosome 1. Multiple alternatively spliced transcript variants that are predicted to encode different isoforms have been characterized although some of these variants fit nonsense-mediated decay (NMD) criteria. [provided by RefSeq, Jul 2008].

Function:

Cold-inducible mRNA binding protein that enhances global protein synthesis at both physiological and mild hypothermic temperatures. Reduces the relative abundance of microRNAs, when overexpressed. Enhances phosphorylation of translation initiation factors and active polysome formation (By similarity).

Subunit:

Interacts with RPL4. Associates with the 60S ribosomal subunits in an RNA-independent manner. Associates with ribosomes.

Subcellular Location:

Nucleus. Cytoplasm. Cell projection, dendrite.

Post-translational modifications:

Arg-105 is dimethylated, probably to asymmetric dimethylarginine. Phosphorylated (By similarity).

Similarity:

Contains 1 RRM (RNA recognition motif) domain.

SWISS:

P98179

Gene ID:

5935

Database links:

[Entrez Gene: 5935](#)Human

[Entrez Gene: 19652](#)Mouse

[Entrez Gene: 114488](#)Rat

[Omim: 300027](#)Human

[SwissProt: P98179](#)Human

[SwissProt: O89086](#)Mouse

[SwissProt: Q925G0](#)Rat

[Unigene: 301404](#)Human

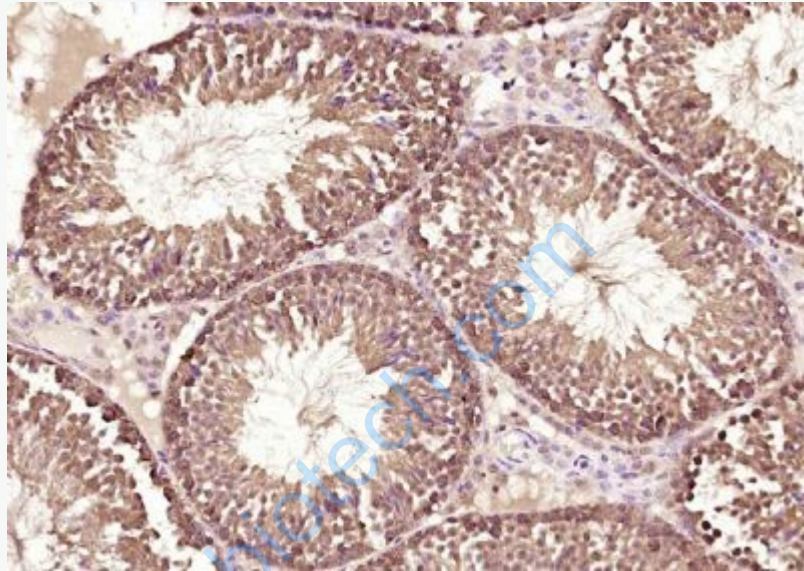
[Unigene: 128512](#)Mouse

[Unigene: 360569](#)Mouse

[Unigene: 18057](#)Rat

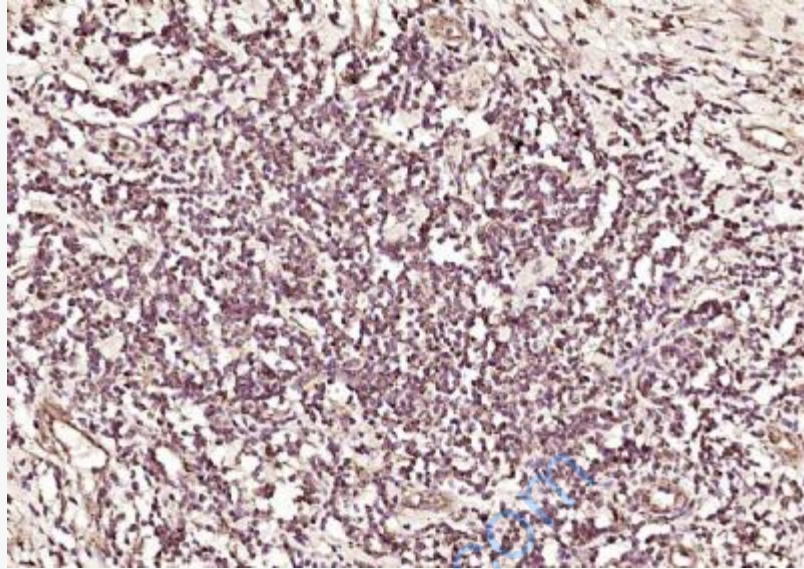
Important Note:

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

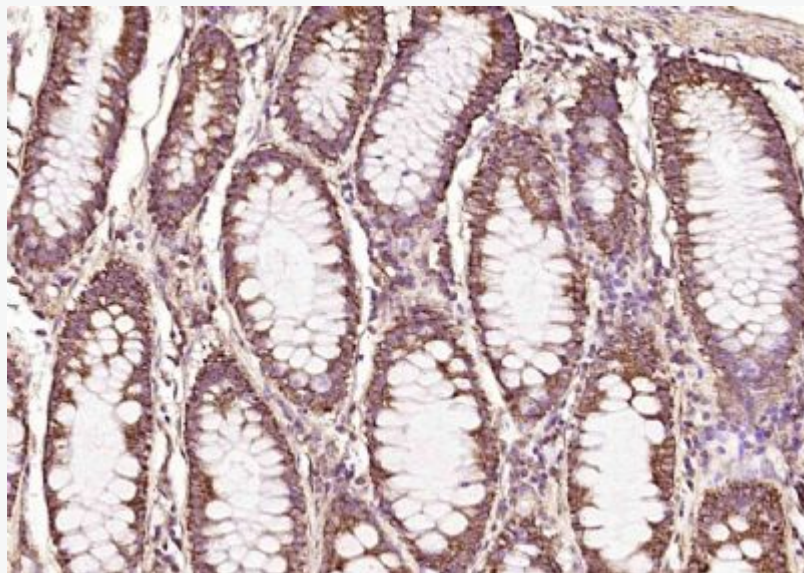


Picture:

Paraformaldehyde-fixed, paraffin embedded (mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RBM3) Polyclonal Antibody, Unconjugated (SL5902R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RBM3) Polyclonal Antibody, Unconjugated (SL5902R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RBM3) Polyclonal Antibody, Unconjugated (SL5902R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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