



Rabbit Anti-hnRNP M1-M4 antibody

SL17335R

Product Name:	hnRNP M1-M4
Chinese Name:	异质核糖核蛋白M1-M4抗体
Alias:	CEA receptor; CEAR; DKFZp547H118; Heterogeneous nuclear ribonucleoprotein M; Heterogeneous nuclear ribonucleoprotein M4; Heterogenous nuclear ribonucleoprotein M4; hnRNA binding protein M4; hnRNP M; Hnrnmp; HNRNPM4; HNRPM; HNRPM_HUMAN; HNRPM4; HTGR1; N acetylglucosamine receptor 1; NAGR1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Horse,
Applications:	ELISA=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:	78kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human hnRNP M1-M4:641-730/730
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 belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects

of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene has three repeats of quasi-RRM domains that bind to RNAs. This protein also constitutes a monomer of the N-acetylglucosamine-specific receptor which is postulated to trigger selective recycling of immature GlcNAc-bearing thyroglobulin molecules. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]

Function:

Pre-mRNA binding protein in vivo, binds avidly to poly(G) and poly(U) RNA homopolymers in vitro. Involved in splicing. Acts as a receptor for carcinoembryonic antigen in Kupffer cells, may initiate a series of signaling events leading to tyrosine phosphorylation of proteins and induction of IL-1 alpha, IL-6, IL-10 and tumor necrosis factor alpha cytokines.

Subcellular Location:

Nucleus > nucleolus.

Post-translational modifications:

Sumoylated.

Similarity:

Contains 3 RRM (RNA recognition motif) domains.

SWISS:

P52272

Gene ID:

4670

Database links:

[Entrez Gene: 4670](#) Human

[Entrez Gene: 76936](#) Mouse

[Entrez Gene: 116655](#) Rat

[Omim: 160994](#) Human

[SwissProt: P52272](#) Human

[SwissProt: Q9D0E1](#) Mouse

[SwissProt: Q62826](#) Rat

[Unigene: 465808](#) Human

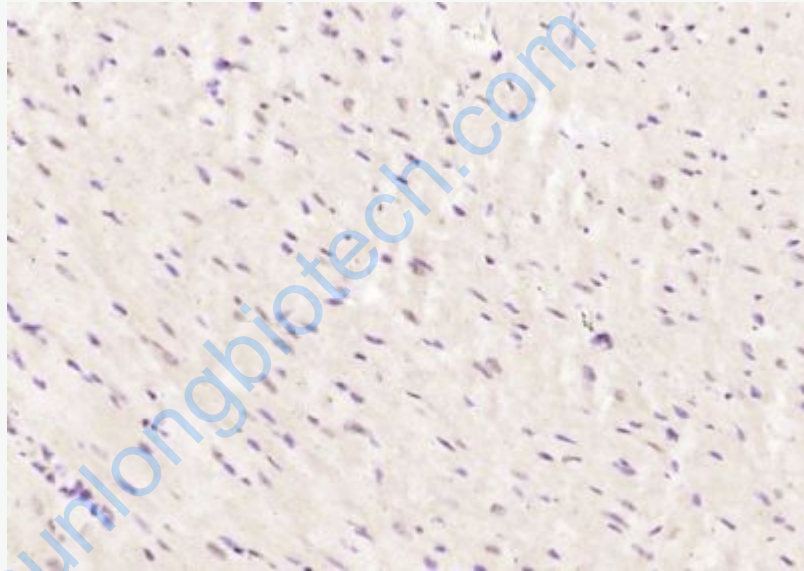
[Unigene: 666214](#) Human

[Unigene: 311439](#) Mouse

[Unigene: 10156](#) Rat

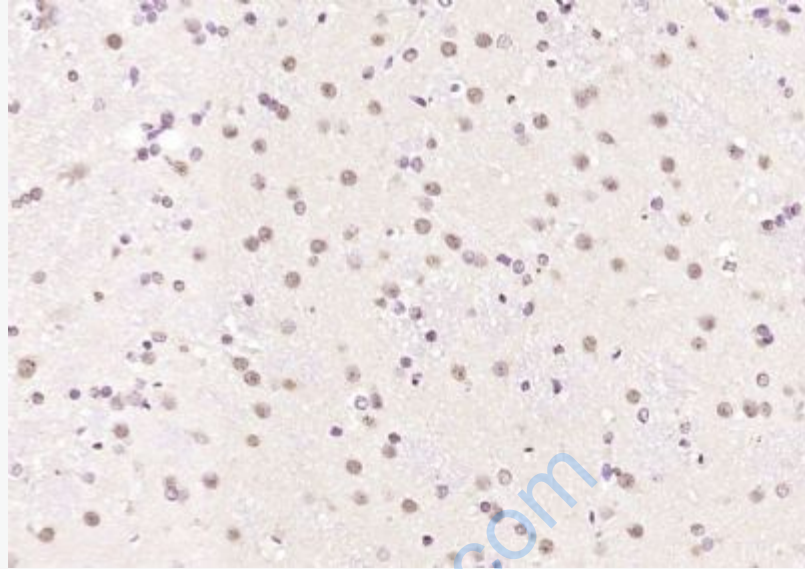
Important Note:

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 heart); 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 (hnRNP M1-M4) Polyclonal Antibody, Unconjugated (SL17335R) 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 (rat brain); 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 (hnRNP M1-M4) Polyclonal Antibody, Unconjugated (SL17335R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.