



Rabbit Anti-ZFR antibody

SL19137R

Product Name:	ZFR
Chinese Name:	锌指RNABinding protein抗体
Alias:	FLJ41312; hZFR; M phase phosphoprotein homolog; M-phase phosphoprotein homolog; zfr; ZFR_HUMAN; zinc finger RNA binding protein; Zinc finger RNA-binding protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	IHC-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:	117kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ZFR:271-370/1074
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:	ZFR is 1,074 amino acid RNA-binding protein. In human, ZFR is expressed in lung, liver, lymphocytes, heart, pancreas, kidney and placenta, and regulates postimplantation and gastrulation stages of development. Murine ZFR is observed in testis, ovary and brain. With elevated levels of expression during meiosis, ZFR associates with chromosome foci in meiotic cells. ZFR contains 1 DZF domain and localizes in the

somatodendritic compartment of hippocampal neurons and colocalizes with STAU2 in cytosolic RNA granules. Knockout of ZFR in mouse embryo prevents the development of some embryonic structures leads to an increase in programmed cell death with a decrease in mitotic index.

Function:

Involved in postimplantation and gastrulation stages of development. Involved in the nucleocytoplasmic shuttling of STAU2. Binds to DNA and RNA.

Subcellular Location:

Nucleus. Cytoplasm. Cytoplasmic granule. Chromosome. Associated with chromosome foci in meiotic cells. Localizes in somatodendritic compartment of primary hippocampal neurons. Colocalizes with STAU2 in several cytosolic RNA granules.

Tissue Specificity:

Expressed in lung, liver, lymphocytes, heart, pancreas, placenta, brain and kidney.

Similarity:

Contains 1 DZF domain.

SWISS:

Q96KR1

Gene ID:

51663

Database links:

[Entrez Gene: 51663](#) Human

[Entrez Gene: 22763](#) Mouse

[Entrez Gene: 365703](#) Rat

[Entrez Gene: 321659](#) Zebrafish

[SwissProt: Q96KR1](#) Human

[SwissProt: O88532](#) Mouse

[SwissProt: Q562A2](#) Rat

[SwissProt: Q6PCR6](#) Zebrafish

[Unigene: 435231](#) Human

[Unigene: 273496](#) Mouse

[Unigene: 11634](#) Rat

[Unigene: 26724](#) Zebrafish

Important Note:

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

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