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ZFR Rabbit pAb

Catalog # AP96293

Product Information

Application	WB
Primary Accession	Q96KR1
Other Accession	Q96KR1
Reactivity	Human
Predicted	Rat, Pig, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	117012
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ZFR
Epitope Specificity	271-370/1074
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
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.
SIMILARITY	Contains 1 DZF domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	51663
Other Names	SPG71; ZFR1; C920030H05Rik; hnrpa1; wu:fb25b08; zgc:66235; zgc:66403; ZFR_HUMAN; ZFR; hZFR; M-phase phosphoprotein homolog; ZFR_MOUSE; ZFR_RAT; ZFR_DANRE; zinc finger RNA binding protein
Target/Specificity	Expressed in lung, liver, lymphocytes, heart, pancreas, placenta, brain and kidney.

Dilution	WB=1:500-2000
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	ZFR
Function	Involved in postimplantation and gastrulation stages of development. Involved in the nucleocytoplasmic shuttling of STAU2. Binds to DNA and RNA (By similarity).
Cellular Location	Nucleus. Cytoplasm. Cytoplasmic granule. Chromosome Note=Associated with chromosome foci in meiotic cells. Localizes in somatodendritic compartment of primary hippocampal neurons. Colocalizes with STAU2 in several cytosolic RNA granules (By similarity)
Tissue Location	Expressed in lung, liver, lymphocytes, heart, pancreas, placenta, brain and kidney.

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