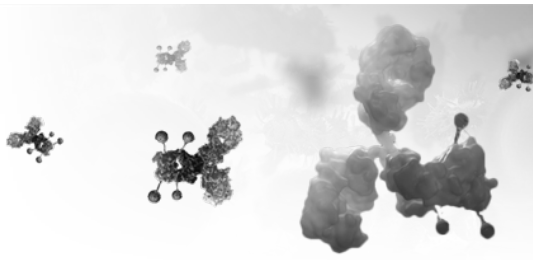

Mouse Anti-ZFR monoclonal antibody, clone 2H3C0 (CABT-RM133)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Detects human Zinc finger RNA-binding protein..
Target	ZFR
Immunogen	Recombinant fragment corresponding to 372 amino acids from the C-terminal half of human Zinc finger RNA-binding protein (ZFR).
Isotype	IgG1, κ
Source/Host	Mouse
Species Reactivity	Human
Clone	2H3C0
Purification	Protein G purified
Conjugate	unconjugated
Applications	ChIP, IHC, WB
Epitope	C-terminus
Molecular Weight	~120 kDa observed; 117.01 kDa calculated. Uncharacterized bands may be observed in some lysate(s).
Format	Liquid
Size	100 µg
Buffer	0.1 M Tris-Glycine (pH 7.4), 150 mM NaCl

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Preservative	0.05% sodium azide
Storage	Stable for 1 year at 2-8°C from date of receipt.

BACKGROUND

Introduction	Zinc finger RNA-binding protein is encoded by the ZFR gene in human. ZFR is a potent regulator of alternative splicing that prevents excessive type I interferon activation in multiple cell types including human monocytic THP-1 cells and primary bone marrow-derived macrophages. It is expressed in lung, liver, lymphocytes, heart, pancreas, placenta, brain, and kidney and regulates pre-mRNA splicing of many human genes. It may also play a role in the nucleocytoplasmic shuttling of Staufen homolog 2 (STAU2) in neurons. ZFR is reported to control RNA processing and decay and affects magnitude of IFNB1 transcriptional induction in response to infection. ZFR depletion is shown to enhance type I interferon production in differentiated THP-1 cells by lipopolysaccharide treatment. ZFR comprises three N-terminal C2H2 zinc finger motifs and a C-terminal DZF domain, a conserved nucleotidyltransferase fold lacking essential catalytic residues.
Keywords	ZFR; zinc finger RNA binding protein; ZFR1; SPG71; zinc finger RNA-binding protein; hZFR; M-phase phosphoprotein homolog

GENE INFORMATION

Entrez Gene ID	51663
UniProt ID	Q96KR1

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