

For Research Use Only

CIRBP Monoclonal antibody

Catalog Number: 60025-2-Ig **3 Publications**



Basic Information

Catalog Number: 60025-2-Ig	GenBank Accession Number: BC000403	Purification Method: Thiophilic affinity chromatograph
Size: 150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1153	CloneNo.: 4D12H7
Source: Mouse	UNIPROT ID: Q14011	
Isotype: IgM	Full Name: cold inducible RNA binding protein	
Immunogen Catalog Number: AG0280	Calculated MW: 172 aa, 19 kDa	
	Observed MW: 19 kDa	

Applications

Tested Applications:
ELISA

Cited Applications:
IHC

Species Specificity:
human, mouse

Cited Species:
human

Background Information

CIRBP, also named as A18HNRNP and CIRP, is a cold-inducible mRNA binding protein that plays a protective role in the genotoxic stress response by stabilizing transcripts of genes involved in cell survival. CIRBP is also involved in cap-independent translation upon moderate cold-shock. It acts as a translational activator. CIRBP is a suppressive rather stimulatory effect on proliferation. It acts as a translational repressor. CIRBP is an immortalized gene in murine primary cells. CIRBP promotes assembly of stress granules (SGs), when overexpressed. It is a potential proto-oncogenic proteins upon overexpression.(PMID:19900510) Suppression of CIRBP increased the apoptotic cell population of neural stem cells at moderate low temperature. (PMID:20735994) This antibody can bind the close sequences genes. This antibody is a mouse monoclonal antibody raised against full length CIRBP of human origin.

Notable Publications

Author	Pubmed ID	Journal	Application
Ignacio M Larrayoz	27556928	PLoS One	
Manuel Rey-Funes	33897437	Front Pharmacol	
Bo Mi Park	24882985	Ann Dermatol	IHC

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
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