

## CIRBP Monoclonal antibody

Catalog Number: 60025-1-Ig

3 Publications

## Basic Information

Catalog Number: 60025-1-Ig	GenBank Accession Number: BC000403	Purification Method: Thiophilic affinity chromatograph
Size: Source: Mouse	GeneID (NCBI): 1153	CloneNo.: 6G3H10
Isotype: IgM	UNIPROT ID: Q14011	Recommended Dilutions: IHC 1:20-1:200
Immunogen Catalog Number: AG0280	Full Name: cold inducible RNA binding protein	
	Calculated MW: 172 aa, 19 kDa	

## Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human breast cancer tissue,
Cited Applications: WB, IF	
Species Specificity: human, mouse	
Cited Species: rat	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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
Claire Coderch	29137939	Bioorg Med Chem	WB
Ignacio M Larrayoz	27556928	PLoS One	WB
Manuel Rey-Funes	33897437	Front Pharmacol	IF

## Storage

Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 60025-1-Ig (CIRBP Antibody) at dilution of 1:50.