

For Research Use Only

# CIRBP Monoclonal antibody

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



## Basic Information

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