

For Research Use Only

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: 150ul	GeneID (NCBI): 1153	CloneNo.: 6G3H10
Source: Mouse	Full Name: cold inducible RNA binding protein	Recommended Dilutions: IHC 1:20-1:200
Isotype: IgM	Calculated MW: 172 aa, 19 kDa	
Immunogen Catalog Number: AG0280		

Applications

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

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

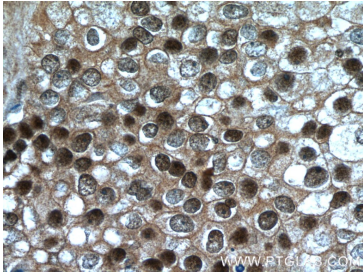
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



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