

---

**Product Name: CIRBP Mouse Monoclonal Antibody****Catalog #: AMM81802**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC,ELISA
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	18.6kDa

**Antigen Information**

<b>Gene Name</b>	CIRBP
<b>Alternative Names</b>	CIRP
<b>Gene ID</b>	1153.0
<b>SwissProt ID</b>	Q14011
<b>Immunogen</b>	Purified recombinant fragment of human CIRBP (AA: 1-90) expressed in E. Coli.

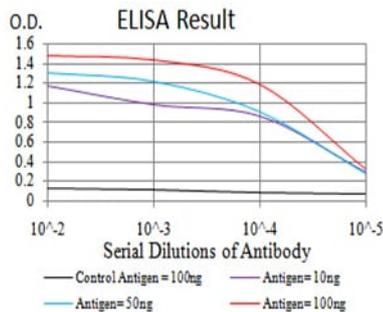
**Background**

Cold-inducible mRNA binding protein that plays a protective role in the genotoxic stress response by stabilizing transcripts of genes involved in cell survival. Acts as a translational activator. Seems to play an essential role in cold-induced suppression of cell proliferation. Binds specifically to the 3-untranslated regions (3-UTRs) of stress-responsive transcripts RPA2 and TXN. Acts

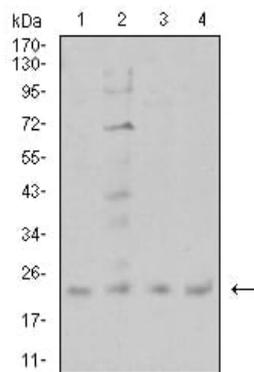
as a translational repressor (By similarity). Promotes assembly of stress granules (SGs), when overexpressed.

## Research Area

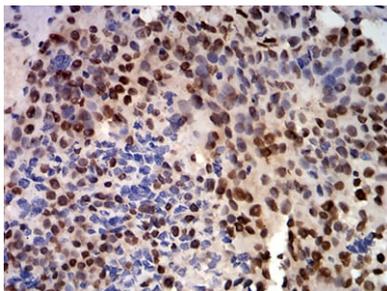
## Image Data



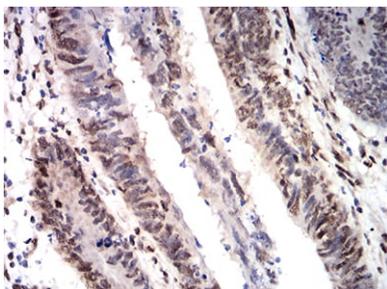
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Western blot analysis using CIRBP mouse mAb against SW480 (1), PC-3 (2), A431 (3), and U251 (4) cell lysate.



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using CIRBP mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using CIRBP mouse mAb with DAB staining.