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CIRBP

Purified Mouse Monoclonal Antibody
Catalog # AO2552a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	Q14011
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	6E12D5
Isotype	Mouse IgG1
Calculated MW	18648
Immunogen	Purified recombinant fragment of human CIRBP (AA: 1-90) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	1153
Other Names	CIRP
Dilution	WB~~ 1/500 - 1/2000 IHC~~1/200 - 1/1000 ICC~~N/A E~~ 1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CIRBP is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CIRBP
Synonyms	A18HNRNP, CIRP
Function	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.

Cellular Location	Nucleus, nucleoplasm. Cytoplasm Note=Translocates from the nucleus to the cytoplasm after exposure to UV radiation. Translocates from the nucleus to the cytoplasm into stress granules upon various cytoplasmic stresses, such as osmotic and heat shocks. Its recruitment into stress granules occurs in the absence of TIAR proteins (By similarity).
Tissue Location	Ubiquitous.

References

1.PLoS One. 2015 Sep 11;10(9):e0137721.2.Med Sci Monit. 2015 May 2;21:1256-60.

Images

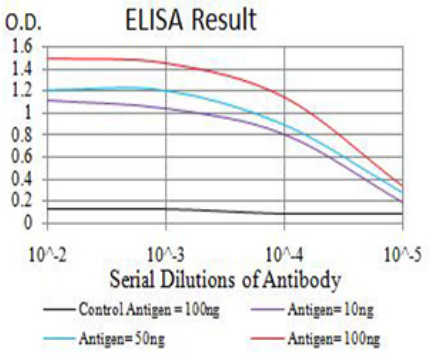


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

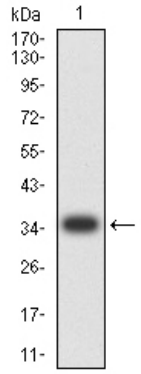


Figure 2:Western blot analysis using CIRBP mAb against human CIRBP (AA: 1-90) recombinant protein. (Expected MW is 35.9 kDa)

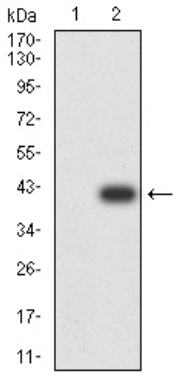
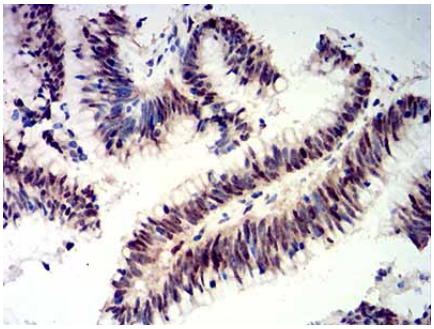


Figure 3:Western blot analysis using CIRBP mAb against HEK293 (1) and CIRBP (AA: 1-90)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 4:Immunohistochemical analysis of paraffin-embedded colon cancer tissues using CIRBP mouse mAb with DAB staining.



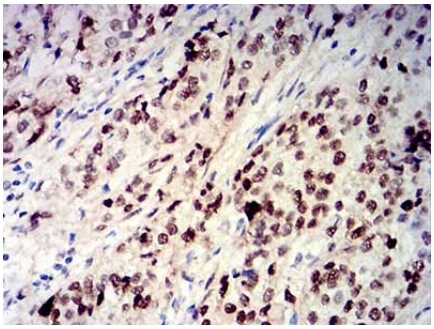


Figure 5:Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using CIRBP mouse mAb with DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.