

KD-Validated Anti-CIRBP Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1148

Product Information

Application	WB, FC, ICC
Primary Accession	Q14011
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB7980
Calculated MW	18648
Gene Name	CIRBP
Aliases	CIRBP; Cold Inducible RNA Binding Protein; CIRP; Cold-Inducible RNA-Binding Protein; Glycine-Rich RNA Binding Protein; A18 hnRNP; Glycine-Rich RNA-Binding Protein CIRP; Cold Inducible RNA-Binding Protein; Testicular Tissue Protein Li 39; A18HNRNP
Immunogen	A synthesized peptide derived from CIRBP

Additional Information

Gene ID	1153
Other Names	Cold-inducible RNA-binding protein, A18 hnRNP, Glycine-rich RNA-binding protein CIRP, CIRBP, A18HNRNP, CIRP

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.

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