

CIRP (4X3) Rabbit Monoclonal Antibody

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Catalog # AP93733

Product Information

Application	WB, IP
Primary Accession	P60824 , P60825
Reactivity	Mouse, Rat
Clonality	Monoclonal
Calculated MW	18607

Additional Information

Gene ID	12696
Dilution	WB~~1:1000 IP~~N/A
Storage Conditions	-20°C

Protein Information

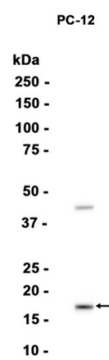
Name	Cirbp
Synonyms	Cirp
Function	Cold-inducible mRNA binding protein that plays a protective role in the genotoxic stress response by stabilizing transcripts of genes involved in cell survival. Promotes assembly of stress granules (SGs), when overexpressed. Seems to play an essential role in cold- induced suppression of cell proliferation. Acts as a translational repressor. Acts as a translational activator. Binds specifically to the 3'-untranslated regions (3'-UTRs) of stress-responsive transcripts RPA2 and TXN.
Cellular Location	Nucleus, nucleoplasm. Cytoplasm Note=Translocates from the nucleus to the cytoplasm after exposure to UV radiation (By similarity). 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.
Tissue Location	Ubiquitous.

Background

Enables poly(U) RNA binding activity and translation repressor activity. Involved in stress granule assembly. Acts upstream of or within cellular response to cold; negative regulation of cell growth; and regulation of cell

cycle G1/S phase transition. Located in cytoplasmic stress granule and nucleoplasm. Is expressed in several structures, including brain and retina. Orthologous to human CIRBP (cold inducible RNA binding protein). [provided by Alliance of Genome Resources, Apr 2022]

Images



Western blot analysis of extracts from PC-12 cells using AP93733 at 1:1000.

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