

CIRP / CIRBP Antibody (aa161-172)
Goat Polyclonal Antibody
Catalog # ALS15385

Specification

CIRP / CIRBP Antibody (aa161-172) - Product Information

| | |
|-------------------|--|
| Application | WB, IHC |
| Primary Accession | Q14011 |
| Reactivity | Human, Mouse, Rat, Hamster, Monkey, Pig, Dog |
| Host | Goat |
| Clonality | Polyclonal |
| Calculated MW | 19kDa KDa |

CIRP / CIRBP Antibody (aa161-172) - Additional Information

Gene ID 1153

Other Names

Cold-inducible RNA-binding protein, A18 hnRNP, Glycine-rich RNA-binding protein CIRP, CIRBP, A18HNRNP, CIRP

Target/Specificity

Human CIRBP.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

CIRP / CIRBP Antibody (aa161-172) is for research use only and not for use in diagnostic or therapeutic procedures.

CIRP / CIRBP Antibody (aa161-172) - 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

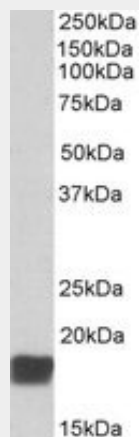
Ubiquitous.

CIRP / CIRBP Antibody (aa161-172) - Protocols

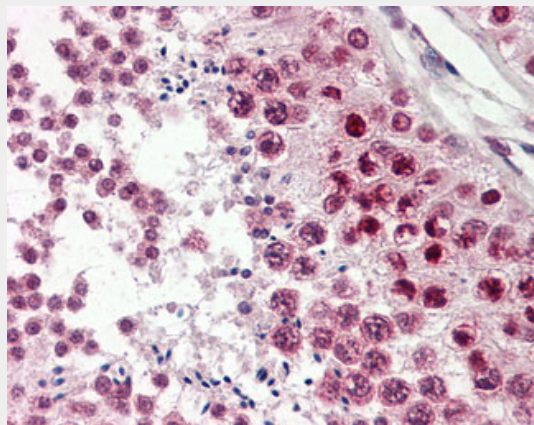
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CIRP / CIRBP Antibody (aa161-172) - Images



CIRBP antibody (0.01 ug/ml) staining of Mouse Testis lysate (35 ug protein/ml in RIPA buffer).



Anti-CIRP / CIRBP antibody IHC of human testis.

CIRP / CIRBP Antibody (aa161-172) - 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.

CIRP / CIRBP Antibody (aa161-172) - References

- Nishiyama H.,et al.Gene 204:115-120(1997).
Sheikh M.S.,et al.J. Biol. Chem. 272:26720-26726(1997).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Grimwood J.,et al.Nature 428:529-535(2004).
Yang C.,et al.J. Biol. Chem. 276:47277-47284(2001).