

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

**Specification**

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

Application	WB, IHC
Primary Accession	<a href="#">Q14011</a>
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**

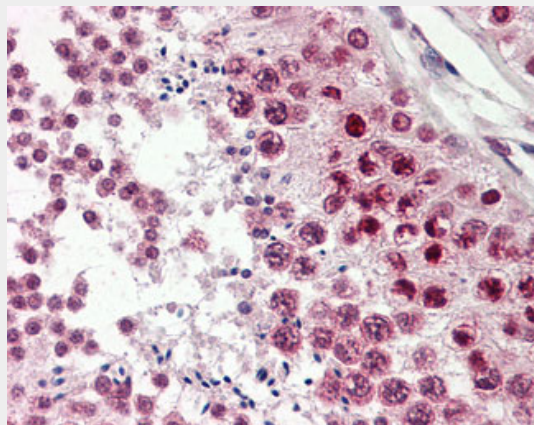
Provided below are standard protocols that you may find useful for product applications.

- [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**

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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).