

Product datasheet for **AP21511PU-N**

CIRBP (81-91) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Peptide ELISA: Detection limit: 1/16000. Western blot: 0.05-0.2 µg/ml. Approx 18kDa band observed in Mouse and Rat Testis lysates. An additional band of unknown identity was also consistently observed at 23kDa. This band was successfully blocked by incubation with the immunizing peptide.
Reactivity:	Bovine, Canine, Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the internal region of the protein sequence according to NP_001271.1.
Specificity:	Recognizes CIRBP (aa 81-91).
Formulation:	Tris saline, pH 7.3 containing 0.02% Sodium Azide as preservative and 0.5% BSA as stabilizer. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by Antigen Affinity Chromatography using the immunizing peptide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	cold inducible RNA binding protein
Database Link:	Entrez Gene 1153 Human Q14011



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Background:

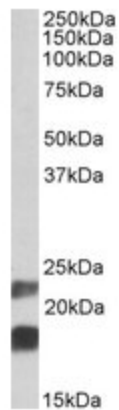
CIRBP, also named as A18HNRNP and CIRP, is a cold-inducible mRNA binding protein that plays a protective role in the genotoxic stress response by stabilizing transcripts of genes involved in cell survival. CIRBP is also involved in cap-independent translation upon moderate cold-shock. It acts as a translational activator. CIRBP is a suppressive rather stimulatory effect on proliferation. It acts as a translational repressor. CIRBP is an immortalized gene in murine primary cells. CIRBP promotes assembly of stress granules (SGs), when overexpressed. It is a potential proto-oncogenic proteins upon overexpression. Suppression of CIRBP increased the apoptotic cell population of neural stem cells at moderate low temperature.

Synonyms:

A18HNRNP, CIRP

Note:

Calculated Molecular Weight: 18.6kDa (Mouse NP_031731.1 and Rat NP_112409.2).

Product images:

CIRBP antibody staining of Mouse Testis lysate at 0.05 ug/ml (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.