

## Product datasheet for **AP50926PU-N**

### CIRBP (C-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>Peptide ELISA:</b> 1/1000. <b>Western blot:</b> 1/100 - 1/500. <b>Immunohistochemistry on paraffin sections:</b> 1/50 - 1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 145-172 amino acids from the C-terminal region of human CIRBP
Specificity:	This antibody reacts to CIRBP.
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) sodium azide
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store 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.
Predicted Protein Size:	18648 Da
Gene Name:	cold inducible RNA binding protein
Database Link:	<a href="#">Entrez Gene 1153 Human Q14011</a>



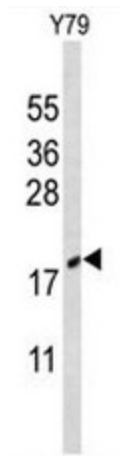
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**Background:**

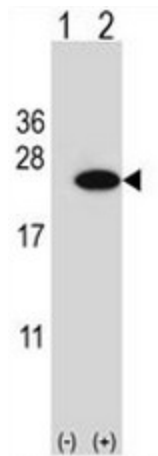
CIRBP is cold-inducible mRNA binding protein that plays a protective role in the genotoxic stress response by stabilizing transcripts of genes involved in cell survival. It acts as a translational activator and seems to play an essential role in cold-induced suppression of cell proliferation. It binds specifically to the 3'-untranslated regions (3' UTRs) of stress-responsive transcripts RPA2 and TXN. This protein acts as a translational repressor (By similarity) and promotes assembly of stress granules (SGs), when overexpressed.

**Synonyms:**

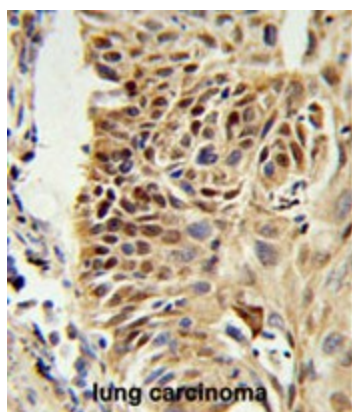
A18HNRNP, CIRP

**Product images:**


Western blot analysis of CIRBP Antibody (C-term) in Y79 cell line lysates (35ug/lane). CIRBP (arrow) was detected using the purified Pab.



Western blot analysis of CIRBP (arrow) using rabbit polyclonal CIRBP Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CIRBP gene.



CIRBP Antibody (C-term) IHC analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CIRBP Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.