

Datasheet for ABIN653083
anti-CIRBP antibody (C-Term)



[Go to Product page](#)

3 Images

1 Publication

Overview

Quantity:	400 µL
Target:	CIRBP
Binding Specificity:	AA 145-172, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CIRBP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This CIRBP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 145-172 amino acids from the C-terminal region of human CIRBP.
Clone:	RB23135
Isotype:	Ig Fraction
Predicted Reactivity:	Ha, M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CIRBP
Alternative Name:	CIRBP (CIRBP Products)

Target Details

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.
Molecular Weight:	18648
Gene ID:	1153
NCBI Accession:	NP_001271
UniProt:	Q14011
Pathways:	Ribonucleoprotein Complex Subunit Organization

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

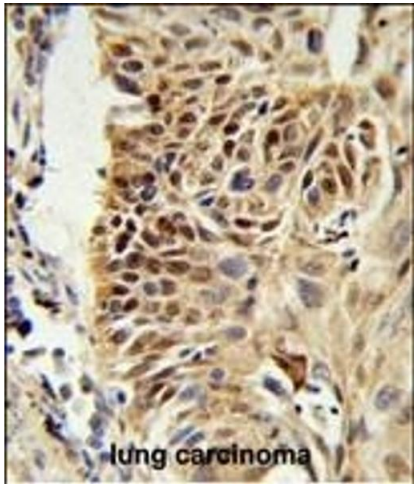
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

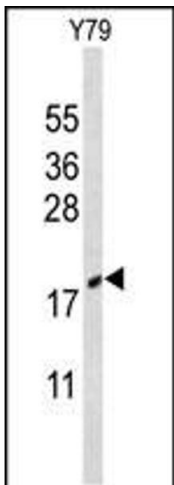
Product cited in:	Chen, Ran, Xie, Xu, Zhou: "Cold-inducible RNA-binding protein mediates cold air inducible airway mucin production through TLR4/NF-κB signaling pathway." in: International
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Images



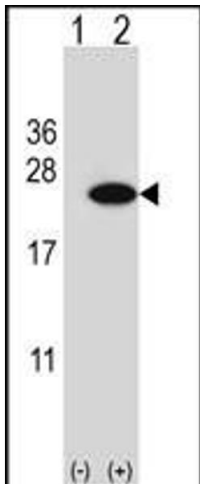
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. CIRBP Antibody (C-term) (ABIN653083 and ABIN2842680) 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.



Western Blotting

Image 2. Western blot analysis of CIRBP Antibody (C-term) (ABIN653083 and ABIN2842680) in Y79 cell line lysates (35 µg/lane). CIRBP (arrow) was detected using the purified Pab.



Western Blotting

Image 3. Western blot analysis of CIRBP (arrow) using rabbit polyclonal CIRBP Antibody (C-term) (ABIN653083 and ABIN2842680). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CIRBP gene.