

CIR Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1417a

Product Information

Application	WB, E
Primary Accession	Q86X95
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	52313
Antigen Region	60-88

Additional Information

Gene ID	9541
Other Names	Corepressor interacting with RBPJ 1, CBF1-interacting corepressor, Recepin, CIR1, CIR
Target/Specificity	This CIR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 60-88 amino acids from the N-terminal region of human CIR.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CIR Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CIRSR (HGNC:24217)
Synonyms	CIR, CIR1
Function	May modulate splice site selection during alternative splicing of pre-mRNAs (By similarity). Regulates transcription and acts as corepressor for RBPJ. Recruits RBPJ to the Sin3-histone deacetylase complex (HDAC). Required for

RBPJ-mediated repression of transcription.

Cellular Location

Nucleus speckle {ECO:0000250|UniProtKB:Q9DA19}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=Colocalizes with NEK6 in the centrosome.

Tissue Location

Highly expressed in heart, brain, placenta, liver, skeletal muscle and pancreas.

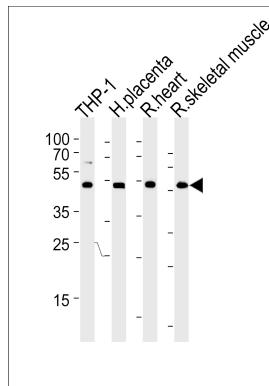
Background

CIR may modulate splice site selection during alternative splicing of pre-mRNAs. It regulates transcription and acts as corepressor for RBPSUH. It recruits RBPSUH to the Sin3-histone deacetylase complex (HDAC) and is required for RBPSUH-mediated repression of transcription.

References

Olsen,J.V., Cell 127 (3), 635-648 (2006)
Maita,H., Exp. Cell Res. 303 (2), 375-387 (2005)
Zhou,S., Mol. Cell. Biol. 21 (18), 6222-6232 (2001)

Images



CIR Antibody (N-term) (Cat. #AP1417a) western blot analysis in THP-1 cell line, human placenta, rat heart and skeletal muscle lysates (35ug/lane). This demonstrates the CIR antibody detected the CIR protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.