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CIR Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1417b

Product Information

Application	WB, E
Primary Accession	Q86X95
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB13825
Calculated MW	52313
Antigen Region	396-424

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 396-424 amino acids from the C-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 (C-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.

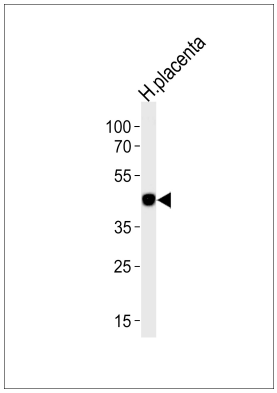
Background

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



Western blot analysis of lysate from human placenta tissue lysate, using CIR Antibody (C-term)(Cat. #AP1417b). AP1417b was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.