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# CIR Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1417a

## Product Information

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

## Additional Information

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| **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

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| **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. |

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| | 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. |

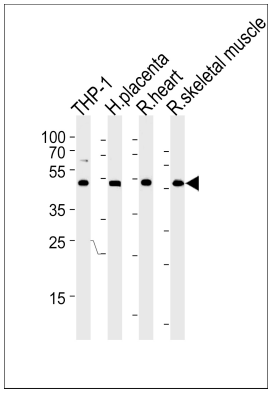
## Background

CIR may modulate splice site selection during alternative splicing of pre-mRNAs. It fegulates 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'.