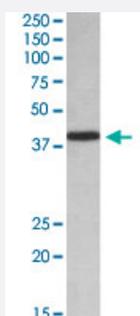


# PCBP1 polyclonal antibody

Catalog # PAB18973      Size 100 ug

## Applications



### Western Blot (Cell lysate)

PCBP1 polyclonal antibody (Cat # PAB18973, 0.01 ug/mL) staining of HeLa lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Specification

<b>Product Description</b>	Goat polyclonal antibody raised against synthetic peptide of PCBP1.
<b>Immunogen</b>	A synthetic peptide corresponding to amino acids at internal region of human PCBP1.
<b>Sequence</b>	C-ADLAKLNQVARQQSH
<b>Host</b>	Goat
<b>Theoretical MW (kDa)</b>	38
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Antigen affinity purification
<b>Concentration</b>	0.5 mg/mL
<b>Recommend Usage</b>	ELISA (1:32000) Western Blot (0.01-0.03 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 0.5 mg/mL in Tris saline, pH7.3 (0.5% BSA, 0.02% sodium azide)

**Storage Instruction**

Store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — PCBP1

**Entrez GeneID**

[5093](#)

**Protein Accession#**

[NP\\_006187.2](#)

**Gene Name**

PCBP1

**Gene Alias**

HNRPE1, HNRPX, hnRNP-E1, hnRNP-X

**Gene Description**

poly(rC) binding protein 1

**Omim ID**

[601209](#)

**Gene Ontology**

[Hyperlink](#)

**Gene Summary**

This intronless gene is thought to have been generated by retrotransposition of a fully processed PCBP-2 mRNA. This gene and PCBP-2 have paralogues (PCBP3 and PCBP4) which are thought to have arisen as a result of duplication events of entire genes. The protein encoded by this gene appears to be multifunctional. It along with PCBP-2 and hnRNP-K corresponds to the major cellular poly(rC)-binding protein. It contains three K-homologous (KH) domains which may be involved in RNA binding. This encoded protein together with PCBP-2 also functions as translational coactivators of poliovirus RNA via a sequence-specific interaction with stem-loop IV of the IRES and promote poliovirus RNA replication by binding to its 5'-terminal cloverleaf structure. It has also been implicated in translational control of the 15-lipoxygenase mRNA, human Papillomavirus type 16 L2 mRNA, and hepatitis A virus RNA. The encoded protein is also suggested to play a part in formation of a sequence-specific alpha-globin mRNP complex which is associated with alpha-globin mRNA stability. [provided by RefSeq]

**Other Designations**

alpha-CP1|heterogeneous nuclear ribonucleoprotein E1|heterogenous nuclear ribonucleoprotein E1|heterogenous nuclear ribonucleoprotein X|nucleic acid binding protein sub 2.3