

Datasheet for ABIN2778971
anti-PCBP1 antibody (Middle Region)[Go to Product page](#)

7 Images

1 Publication

Overview

Quantity:	100 µL
Target:	PCBP1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Rabbit, Dog, Horse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCBP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of Human PCBP1
Sequence:	PHATHDLEGP PLDAYSIQGQ HTISPLDLAK LNQVARQQSH FAMMHGGTGF
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against PCBP1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	PCBP1
Alternative Name:	PCBP1 (PCBP1 Products)

Target Details

Background:	<p>PCBP1 appears to be multifunctional. It along with PCBP-2 and hnRNPK corresponds to the major cellular poly(rC)-binding protein. It contains three K-homologous (KH) domains which may be involved in RNA binding. This 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. PCBP1 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. This intronless gene is thought to be generated by retrotransposition of a fully processed PCBP-2 mRNA. This gene and PCBP-2 has paralogues PCBP3 and PCBP4 which is thought to arose 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 hnRNPK corresponds to the major cellular poly(rC)-binding proteins. 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.</p> <p>Alias Symbols: HNRPE1, HNRPX, hnRNP-E1, hnRNP-X</p> <p>Protein Interaction Partner: HUWE1, UBC, SNRPA, TP53, SUMO2, SUMO3, TUBGCP3, STAU1, ERG, EED, TUBB6, TUBB2A, PFKP, PFKM, SRPK2, SRPK1, SRPK3, FBXO6, TARDBP, UBD, ADRB2, NPM1, LMNA, HMGA1, CD81, PAN2, PRPF8, PPIG, PRPF3, UBL4A, ANP32A, VCAM1, NOS2, ITGA4, FN1, ATF2, ZNF830, ZCCHC10, P</p> <p>Protein Size: 356</p>
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Molecular Weight:	37 kDa
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Gene ID:	5093
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NCBI Accession:	NM_006196 , NP_006187
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UniProt:	Q15365
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Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Application Details

Comment: Antigen size: 356 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

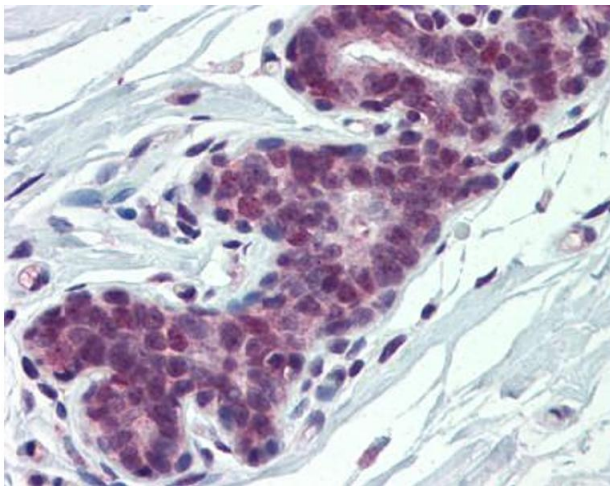
Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

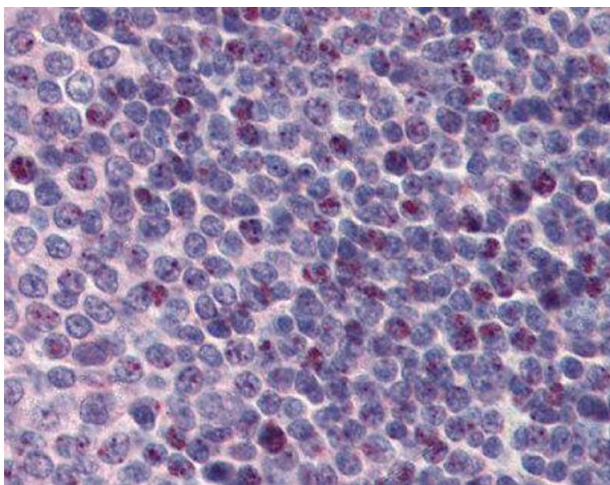
Publications

Product cited in: Sugatani, Nishitani, Yamakawa, Yoshinari, Sueyoshi, Negishi, Miwa: "Transcriptional regulation of human UGT1A1 gene expression: activated glucocorticoid receptor enhances constitutive androstane receptor/pregnane X receptor-mediated UDP-glucuronosyltransferase 1A1 regulation with glucocorticoid receptor-interacting protei" in: **Molecular pharmacology**, Vol. 67, Issue 3, pp. 845-55, (2005) ([PubMed](#)).



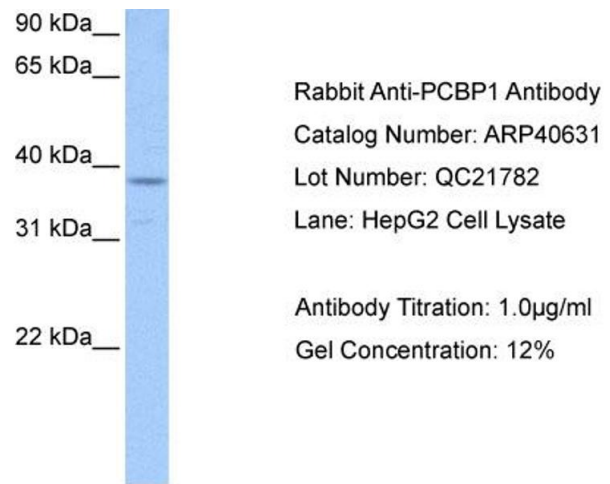
Immunohistochemistry

Image 1.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Anti-PCBP1 Antibody IHC staining of human spleen. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 µg/mL.



Western Blotting

Image 3.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN2778971.