



[Go to Product page](#)

Datasheet for ABIN2778923

anti-PCBP2 antibody (Middle Region)

4 Images

2 Publications

Overview

Quantity:	100 µL
Target:	PCBP2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCBP2 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 PCBP2
Sequence:	VIFAGGQDRY STGSDSASFP HTTPSMCLNP DLEGPPELAY TIQGQYAIPO
Predicted Reactivity:	Cow: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against PCBP2. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	PCBP2
Alternative Name:	PCBP2 (PCBP2 Products)

Target Details

Background: PCBP2 appears to be multifunctional. It along with PCBP-1 and hnRNPk corresponds to the major cellular poly(rC)-binding proteins. This protein together with PCBP-1 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 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. This gene and PCBP-1 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-1 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-1 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. This multiexon structural mRNA is thought to be retrotransposed to generate PCBP-1 intronless gene which has similar functions. This gene and PCBP-1 has paralogues PCBP3 and PCBP4 which is thought to arose as a result of duplication events of entire genes. It also has two processed pseudogenes PCBP2P1 and PCBP2P2. There are presently two alternatively spliced transcript variants described for this gene.

Alias Symbols: HNRPE2, hnRNP-E2

Protein Interaction Partner: FUS, HUWE1, UBC, SNRPA, SUMO2, SUMO3, CEP250, MDM2, EED, TARDBP, ADRB2, IGSF8, HMGA1, CD81, HMGA2, WDR83, SLU7, CASK, UBL4A, VCAM1, PCBP2, NOS2, ITGA4, FN1, BRCA1, PRPF40A, SF3B2, NKAP, WDR77, PAXIP1, BARD1, PPIB, EEF1A1, FBXO6, UBD, PCBP1, QKI, CDK2, COP

Protein Size: 366

Molecular Weight: 40 kDa

Gene ID: 5094

NCBI Accession: [NM_005016](#), [NP_005007](#)

UniProt: [Q6IPF4](#)

Application Details

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

Comment: Antigen size: 366 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.

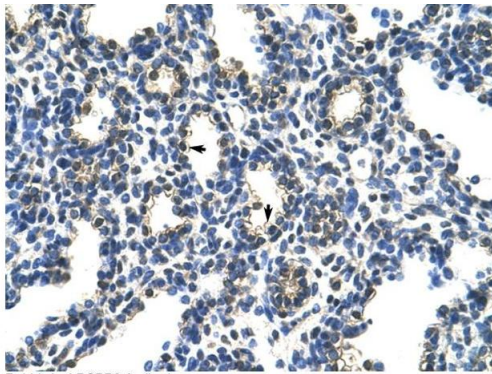
Publications

Product cited in: Lazrek, Goffard, Schanen, Karquel, Bocket, Lion, Devaux, Hedouin, Gosset, Hober: "Detection of hepatitis C virus antibodies and RNA among medicolegal autopsy cases in Northern France." in: **Diagnostic microbiology and infectious disease**, Vol. 55, Issue 1, pp. 55-8, (2006) ([PubMed](#)).



Western Blotting

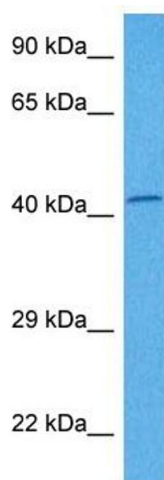
Image 1. WB Suggested Anti-PCBP2 Antibody Titration: 1.25ug/ml Positive Control: Jurkat cell lysate There is BioGPS gene expression data showing that PCBP2 is expressed in Jurkat



Immunohistochemistry

Image 2. Rabbit Anti-PCBP2 Antibody Paraffin Embedded Tissue: Human Lung Cellular Data: Alveolar cells Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X

Rabbit Anti-PCBP2 Antibody
Catalog Number: ARP40568
Lot Number: QC10208
Paraffin Embedded Tissue: Human Lung
Cells with Positive label: Alveolar cells (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X



Western Blotting

Image 3. Host: Mouse Target Name: PCBP2 Sample Tissue: Mouse Pancreas Antibody Dilution: 1ug/ml

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2778923.