

Rabbit PCBP1 Polyclonal Antibody | anti-PCBP1 antibody

PCBP1 Antibody - middle region

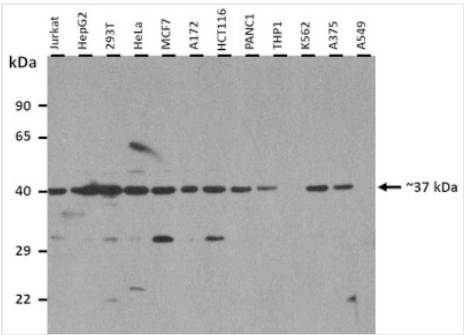
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23480	Rabbit	Tested Species Reactivity: Human, Mouse Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PCBP1; Polyclonal Antibody; PCBP1 Antibody - middle region; anti-PCBP1 antibody

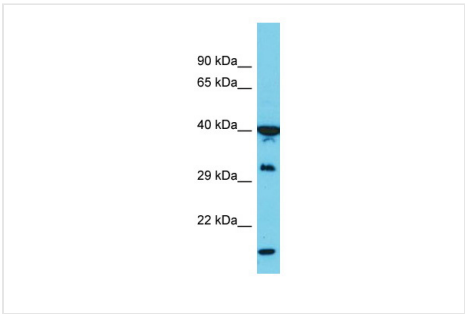
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Species Reactivity: Human, Mouse Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% sodium azide.
Concentration	0.5 mg/ml (varies by lot)
Sequence	Synthetic peptide with the following sequence: PH ATHDLEGPPL DAYSIQGQHT ISPLDLAKLN QVARQQSHFA MMHGGTGF
Sequence Length	356
Applicable Applications for anti-PCBP1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	QC Western Blot : Pass IHC Information: Human Spleen: Formalin-Fixed, Paraffin-Embedded (FFPE)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of Human PCBP1
Protein Size (# AA)	356 amino acids
Protein Interactions	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
Enhanced Validation	Relative Expression (Western Blot)
Blocking Peptide	For anti-PCBP1 (AAA23480) antibody is Catalog #
Preparation and Storage	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.



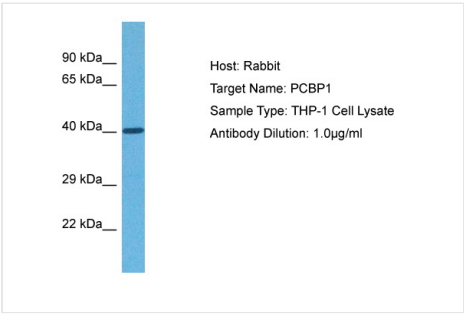
SDS-PAGE

25 ug of the indicated Human whole cell extracts was loaded onto a 12% SDS-PAGE gel. 3 ug/mL of the antibody was used in this experiment. A second isoform of 33 kDa also contains the peptide, and the protein is phosphorylated.



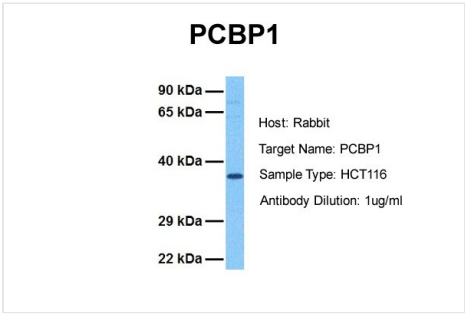
WB (Western Blot)

Host: RabbitTarget Name: PCBP1Sample Type: MCF7 Whole Cell lysatesAntibody Dilution: 1.0ug/mlPCBP1 is supported by BioGPS gene expression data to be expressed in MCF7



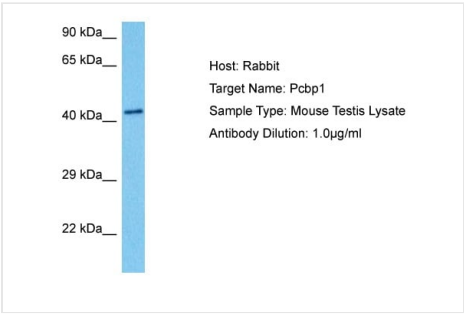
WB (Western Blot)

Host: RabbitTarget Name: PCBP1Sample Tissue: Human THP-1 Whole CellAntibody Dilution: 1ug/ml



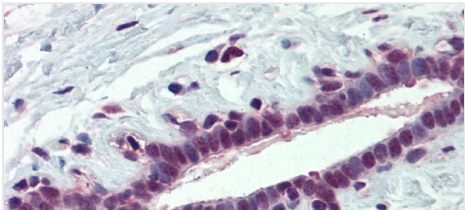
WB (Western Blot)

Host: RabbitTarget Name: PCBP1Sample Tissue: Human HCT116Antibody Dilution: 1.0ug/ml



WB (Western Blot)

Host: MouseTarget Name: PCBP1Sample Tissue: Mouse TestisAntibody Dilution: 1ug/ml



IHC (Immunohistochemistry)

Rabbit Anti-PCBP1 AntibodyParaffin Embedded Tissue: Human BreastAntibody Concentration: 5 ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-PCBP1 antibody	This is a rabbit polyclonal antibody against PCBP1. It was validated on Western Blot Target Description: PCBP1 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 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 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 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.
Product Categories/Family for anti-PCBP1 antibody	Polyclonal; RNA Binding Proteins; Cell Biology; DNA/RNA/Protein Interactions

NCBI AND UNIPROT INFORMATION

NCBI GI #	222352151
NCBI GeneID	5093
NCBI Accession #	NP_006187
NCBI GenBank Nucleotide #	NM_006196
UniProt Accession #	Q15365
Molecular Weight	37kDa
NCBI Official Full Name	poly(rC)-binding protein 1
NCBI Official Synonym Full Names	poly(rC) binding protein 1
NCBI Official Symbol	PCBP1
NCBI Official Synonym Symbols	HNRPX; HNRPE1; hnRNP-X; HEL-S-85; hnRNP-E1
NCBI Protein Information	poly(rC)-binding protein 1
UniProt Protein Name	Poly(rC)-binding protein 1
UniProt Gene Name	PCBP1
UniProt Synonym Gene Names	hnRNP E1
UniProt Entry Name	PCBP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pcbp1-antibody-immunohistochemistry-western-blot-elisa/23480>