

Datasheet for ABIN2778922
anti-PCBP2 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	PCBP2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Zebrafish (Danio rerio), Guinea Pig, Horse, Dog, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCBP2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PCBP2
Sequence:	KKGESVKKMR EESGARINIS EGNCPERIIT LAGPTNAIFK AFAMIIDKLE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against PCBP2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	PCBP2
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Target Details

Alternative Name:	PCBP2 (PCBP2 Products)
Background:	PCBP2 appears to be multifunctional. It along with PCBP-1 and hnRNP-K 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. Along with PCBP-1 and hnRNP-K, it is one of the major cellular poly(rC)-binding proteins. The encoded protein contains three K-homologous (KH) domains which may be involved in RNA binding. Together with PCBP-1, this protein also functions as a translational coactivator of poliovirus RNA via a sequence-specific interaction with stem-loop IV of the IRES, promoting 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, an intronless gene with functions similar to that of PCBP2. This gene and PCBP-1 have paralogous genes (PCBP3 and PCBP4) which are thought to have arisen as a result of duplication events of entire genes. This gene also has two processed pseudogenes (PCBP2P1 and PCBP2P2). Multiple transcript variants encoding different isoforms have been found for this gene. Alias Symbols: HNRPE2, MGC110998, 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:	39 kDa
Gene ID:	5094
NCBI Accession:	NM_005016 , NP_005007
UniProt:	Q6IPF4

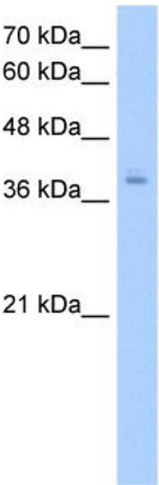
Application Details

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.

Images



Western Blotting

Image 1. WB Suggested Anti-PCBP2 Antibody Titration: 2.5ug/ml Positive Control: HepG2 cell lysate PCBP2 is supported by BioGPS gene expression data to be expressed in HepG2