

Datasheet for ABIN2462179

anti-PCBP2 antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	PCBP2
Reactivity:	Human, Mouse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCBP2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human PCBP2.
Purification:	Antibody is purified by protein A chromatography method.

Target Details

Target:	PCBP2
Alternative Name:	PCBP2 (PCBP2 Products)
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,

Target Details

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.

Molecular Weight: 40 kDa, 38 kDa

Gene ID: 5094

NCBI Accession: [NP_005007](#)

UniProt: [Q6IPF4](#)

Application Details

Application Notes: PCBP2 antibody can be used for detection of PCBP2 by ELISA at 1:312500. PCBP2 antibody can be used for detection of PCBP2 by western blot at 1.25 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.

Restrictions: For Research Use only

Handling

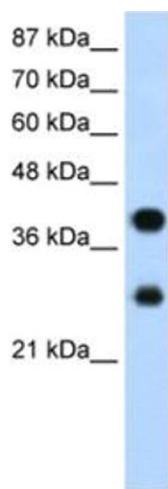
Format: Lyophilized

Reconstitution: Add 100 µL of distilled water. Final antibody concentration is 1 mg/mL.

Handling

Concentration:	1 mg/mL
Buffer:	Antibody is lyophilized in PBS buffer with 2 % sucrose.
Handling Advice:	As with any antibody avoid repeat freeze-thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	For short periods of storage (days) store at 4 °C. For longer periods of storage, store PCBP2 antibody at -20 °C.

Images



Western Blotting

Image 1.