

Product datasheet

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ARG55681 anti-PCBP1 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes PCBP1

Tested Reactivity Hu

Predict Reactivity Ms, Bov, Rb

Tested Application WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name PCBP1
Species Human

Immunogen KLH-conjugated synthetic peptide corresponding to aa. 188-217 (Center) of Human PCBP1.

Conjugation Un-conjugated

Alternate Names HNRPX; HNRPE1; hnRNP-X; HEL-S-85; hnRNP-E1; Poly(rC)-binding protein 1; Alpha-CP1; Heterogeneous

nuclear ribonucleoprotein E1; hnRNP E1; Nucleic acid-binding protein SUB2.3

Application Instructions

Application table	Application	Dilution
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	K562	

Properties

Form Liquid

Purification Purification with Protein A and immunogen peptide.

Buffer PBS and 0.09% (W/V) Sodium azide.

Preservative 0.09% (W/V) Sodium azide.

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links GeneID: 5093 Human

Swiss-port # Q15365 Human

Gene Symbol PCBP1

Gene Full Name poly(rC) binding protein 1

Background This intronless gene is thought to have been generated by retrotransposition of a fully processed

> PCBP-2 mRNA. This gene and PCBP-2 have paralogues (PCBP3 and PCBP4) which are 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 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 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. [provided by RefSeq, Jul 2008]

Function Single-stranded nucleic acid binding protein that binds preferentially to oligo dC. [UniProt]

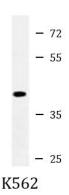
Calculated Mw 37 kDa

PTM Phosphorylated; lowers poly(rC)-binding activity.

Cellular Localization Nucleus. Cytoplasm. Note=Loosely bound in the nucleus. May shuttle between the nucleus and the

cytoplasm

Images



ARG55681 anti-PCBP1 antibody WB image

Western blot: 35 µg of K562 cell lysate stained with ARG55681 anti-PCBP1 antibody.