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Datasheet for ABIN7255313 anti-PCBP1 antibody

3 Images



Overview

Quantity:	200 µL
Target:	PCBP1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCBP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide of human PCBP1 (NP_006187.2).
lsotype:	lgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

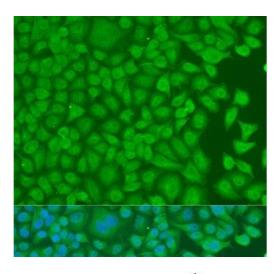
Target:	PCBP1
Alternative Name:	PCBP1 (PCBP1 Products)
Background:	This intronless gene is thought to have been generated by retrotransposition of a fully processed PCBP-2 mRNA. This gene and PCBP-2 have paralogues (PCBP3 and PCBP4) which
	are thought to have arisen as a result of duplication events of entire genes. The protein
	encoded by this gene appears to be multifunctional. It along with PCBP-2 and hnRNPK

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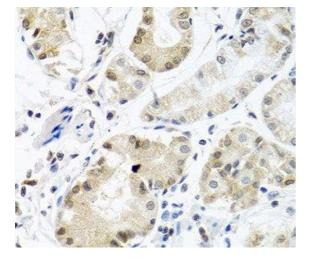
Target Details

	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.
Molecular Weight:	Observed_MW: 37 kDa Calculated_MW: 37 kDa
Gene ID:	5093
UniProt:	Q15365
Application Details	
Application Notes:	WB 1:500-1:2000 IHC 1:50-1:100 IF 1:50-1:200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

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$\frac{NH^{2}}{P^{2}} \frac{P^{2}}{P^{2}} \frac{P^{2}}{P^$



Immunofluorescence

Image 1. Immunofluorescence analysis of U2OS cells using PCBP1 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines using PCBP1 Polyclonal Antibody at dilution of 1:1000.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Human stomach using PCBP1 Polyclonal Antibody at dilution of 1:100 (40x lens).

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