

For Research Use Only

# PCBP2 Polyclonal antibody

Catalog Number: 15070-1-AP

Featured Product

10 Publications



## Basic Information

<b>Catalog Number:</b> 15070-1-AP	<b>GenBank Accession Number:</b> BC001155	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5094	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> poly(rC) binding protein 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 39 kDa	
<b>Immunogen Catalog Number:</b> AG7102	<b>Observed MW:</b> 43 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, Jurkat cells
<b>Cited Applications:</b> CoIP, IF, IHC, WB	<b>IHC :</b> human testis tissue, human cervical cancer tissue, human colon tissue, human liver tissue
<b>Species Specificity:</b> human	<b>IF :</b> HeLa cells,
<b>Cited Species:</b> human, rat	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Poly(rC)-binding protein 2 (PCBP2) is a single-stranded nucleic acid binding protein that binds preferentially to oligo dC. It is also named Heterogeneous nuclear ribonucleoprotein E2, binds also poly(rU). It negatively regulates cellular antiviral responses mediated by MAVS signaling. It acts as an adapter between MAVS and the E3 ubiquitin ligase ITCH, therefore triggering MAVS ubiquitination and degradation.(19881509) This antibody can recognize PCBP2 and PCBP1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaonan Wang	33037085	Mol Cancer Res	IHC,WB
Haiyan Gu	35322803	Nat Commun	WB,CoIP
Changyu Chen	29744291	FEBS Open Bio	WB,IHC

## Storage

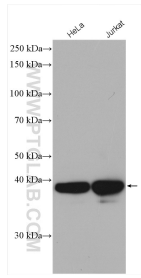
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

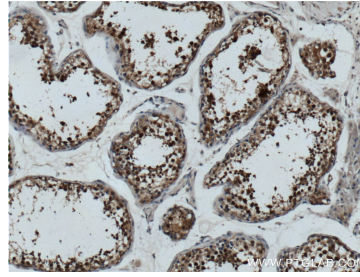
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

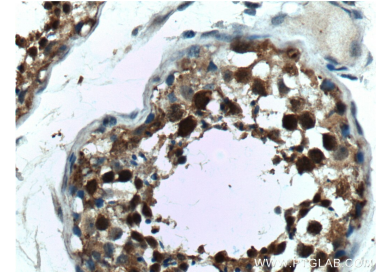
## Selected Validation Data



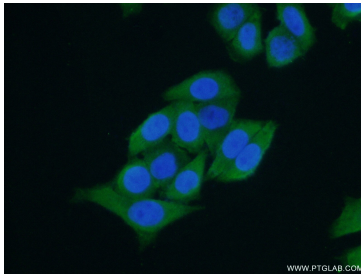
Various lysates were subjected to SDS PAGE followed by western blot with 15070-1-AP (PCBP2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 15070-1-AP (PCBP2 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 15070-1-AP (PCBP2 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 15070-1-AP (PCBP2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).