

## PCBP2 Antibody

Catalog No: #32696

Package Size: #32696-1 50ul #32696-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

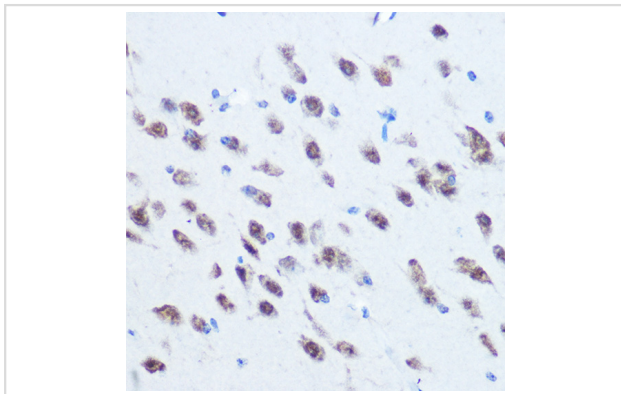
## Description

Product Name	PCBP2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total PCBP2 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human PCBP2 (NP_001122383.1).
Target Name	PCBP2
Other Names	PCBP2;HNRNPE2;HNRPE2;hnRNP-E2
Accession No.	Uniprot:Q15366GeneID:5094
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GeneID	5094
SDS-PAGE MW	39KDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

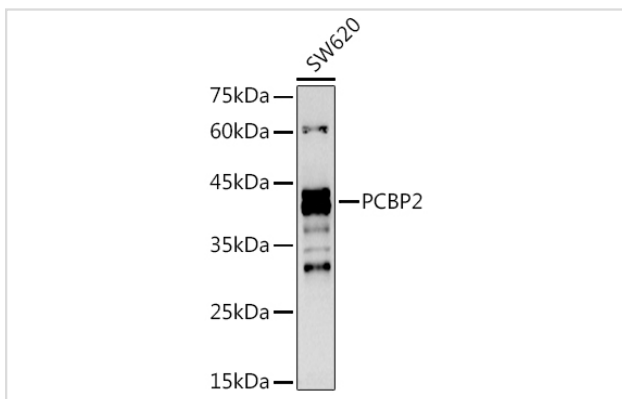
## Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200 IF □ 1:50 - 1:200

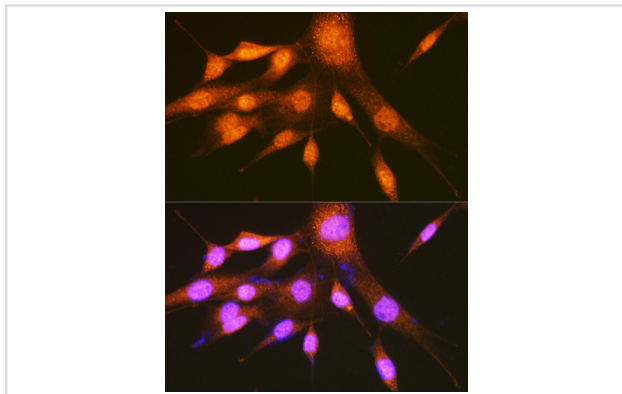
## Images



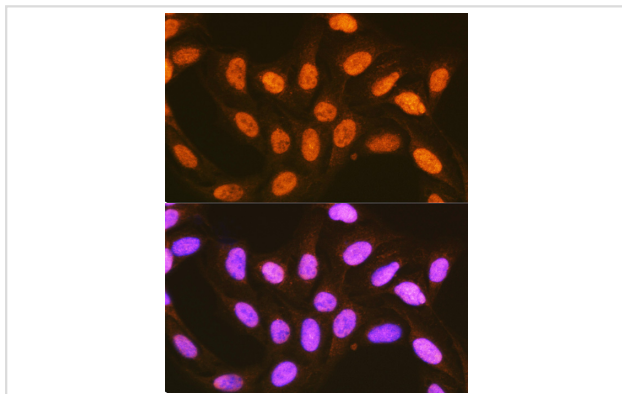
Immunohistochemistry of paraffin-embedded mouse brain using PCBP2 Rabbit pAb.



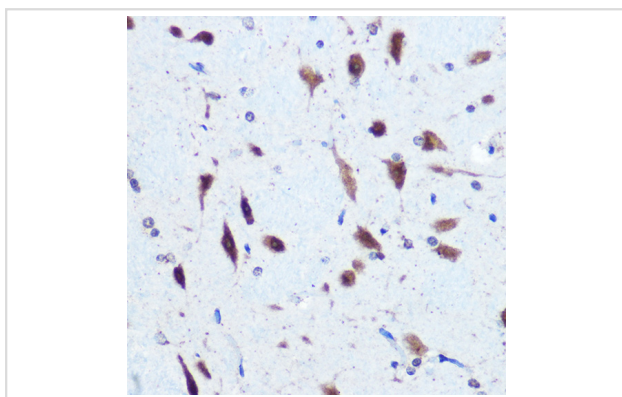
Western blot analysis of extracts of SW620 cells, using PCBP2 antibody.



Immunofluorescence analysis of NIH-3T3 cells using PCBP2 Rabbit pAb.



Immunofluorescence analysis of U-2 OS cells using PCBP2 Rabbit pAb.



Immunohistochemistry of paraffin-embedded rat brain using PCBP2 Rabbit pAb.

## Background

The protein encoded by this gene appears to be multifunctional. Along with PCBP-1 and hnRNPk, 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.

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Note: This product is for in vitro research use only