

**PCBP2 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57710****Specification****PCBP2 Polyclonal Antibody - Product Information**

|                   |                              |
|-------------------|------------------------------|
| Application       | WB, IHC-P, IHC-F, IF, ICC, E |
| Primary Accession | <a href="#">Q15366</a>       |
| Reactivity        | Rat, Pig, Bovine             |
| Host              | Rabbit                       |
| Clonality         | Polyclonal                   |
| Calculated MW     | 38580                        |

**PCBP2 Polyclonal Antibody - Additional Information****Gene ID** 5094**Other Names**

Poly(rC)-binding protein 2, Alpha-CP2, Heterogeneous nuclear ribonucleoprotein E2, hnRNP E2, PCBP2

**Dilution**

<span class = "dilution\_WB">WB~~1:1000</span><br \><span class = "dilution\_IHC-P">IHC-P~~N/A</span><br \><span class = "dilution\_IHC-F">IHC-F~~N/A</span><br \><span class = "dilution\_IF">IF~~1:50~200</span><br \><span class = "dilution\_ICC">ICC~~N/A</span><br \><span class = "dilution\_E">E~~N/A</span>

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**PCBP2 Polyclonal Antibody - Protein Information****Name** PCBP2 {ECO:0000303|PubMed:7607214, ECO:0000312|HGNC:HGNC:8648}**Function**

Single-stranded nucleic acid binding protein that binds preferentially to oligo dC (PubMed:<a href="http://www.uniprot.org/citations/12414943" target="\_blank">12414943</a>, PubMed:<a href="http://www.uniprot.org/citations/7607214" target="\_blank">7607214</a>). Major cellular poly(rC)-binding protein (PubMed:<a href="http://www.uniprot.org/citations/12414943" target="\_blank">12414943</a>). Also binds poly(rU) (PubMed:<a href="http://www.uniprot.org/citations/12414943" target="\_blank">12414943</a>). Acts as a negative regulator of antiviral signaling (PubMed:<a href="http://www.uniprot.org/citations/19881509" target="\_blank">19881509</a>, PubMed:<a href="http://www.uniprot.org/citations/19881509" target="\_blank">19881509</a>).

[35322803](http://www.uniprot.org/citations/35322803)). Negatively regulates cellular antiviral responses mediated by MAVS signaling (PubMed:[19881509](http://www.uniprot.org/citations/19881509)). It acts as an adapter between MAVS and the E3 ubiquitin ligase ITCH, therefore triggering MAVS ubiquitination and degradation (PubMed:[19881509](http://www.uniprot.org/citations/19881509)). Negatively regulates the cGAS-STING pathway via interaction with CGAS, preventing the formation of liquid-like droplets in which CGAS is activated (PubMed:[35322803](http://www.uniprot.org/citations/35322803)). Together with PCBP1, required for erythropoiesis, possibly by regulating mRNA splicing (By similarity).

#### **Cellular Location**

Nucleus. Cytoplasm. Note=Loosely bound in the nucleus (PubMed:7607214). May shuttle between the nucleus and the cytoplasm (PubMed:7607214).

#### **Tissue Location**

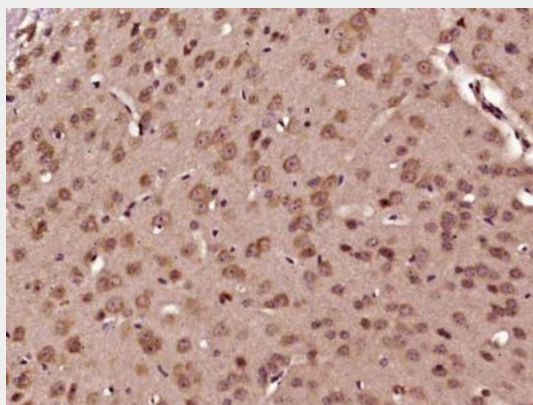
Detected in all tissues examined.

### **PCBP2 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **PCBP2 Polyclonal Antibody - Images**



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PCBP2) Polyclonal Antibody, Unconjugated (bs-19908R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.