

# PCBP2 Antibody

Rabbit mAb

Catalog # AP93024

## Product Information

<b>Application</b>	WB, IF, ICC, IP
<b>Primary Accession</b>	<a href="#">Q15366</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	Alpha CP2; Cbp; CTBP; hnRNP E2; Hnrnp; HNRPE2; Hnrpx; PCBP2;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	38580

## Additional Information

<b>Dilution</b>	WB 1:500~1:2000 ICC/IF 1:50~1:200 IP 1:50
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human PCBP2
<b>Description</b>	Single-stranded nucleic acid binding protein that binds preferentially to oligo dC. Major cellular poly(rC)-binding protein. Binds also poly(rU). 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.
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Protein Information

<b>Name</b>	PCBP2 {ECO:0000303   PubMed:7607214, ECO:0000312   HGNC:HGNC:8648}
<b>Function</b>	Single-stranded nucleic acid binding protein that binds preferentially to oligo dC (PubMed: <a href="#">12414943</a> , PubMed: <a href="#">7607214</a> ). Major cellular poly(rC)-binding protein (PubMed: <a href="#">12414943</a> ). Also binds poly(rU) (PubMed: <a href="#">12414943</a> ). Acts as a negative regulator of antiviral signaling (PubMed: <a href="#">19881509</a> , PubMed: <a href="#">35322803</a> ). Negatively regulates cellular antiviral responses mediated by MAVS signaling (PubMed: <a href="#">19881509</a> ). It acts as an adapter between MAVS and the E3 ubiquitin ligase ITCH, therefore triggering MAVS ubiquitination and degradation (PubMed: <a href="#">19881509</a> ). Negatively regulates the cGAS-STING pathway via interaction with CGAS, preventing the formation of liquid-like droplets in which CGAS is activated (PubMed: <a href="#">35322803</a> ). Together with PCBP1, required for erythropoiesis, possibly by regulating mRNA splicing (By similarity).
<b>Cellular Location</b>	Nucleus. Cytoplasm. Note=Loosely bound in the nucleus (PubMed:7607214).

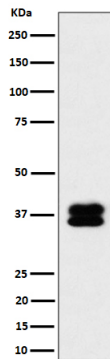
May shuttle between the nucleus and the cytoplasm (PubMed:7607214).

## Tissue Location

Detected in all tissues examined.

## Images

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Western blot analysis of PCBP2 expression in HeLa cell lysate.

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