

PCBP2 Rabbit mAb

Catalog # AP75874

Product Information

ApplicationWB, IPPrimary AccessionQ15366ReactivityMouse, RatHostRabbit

Clonality Monoclonal Antibody

Calculated MW 38580

Additional Information

Gene ID 5094

Other Names PCBP2

Dilution WB~~1/500-1/1000 IP~~N/A

Format 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and

0.05% BSA.

Storage Store at 4°C short term. Aliquot and store at -20°C long term. Avoid

freeze/thaw cycles.

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:<u>12414943</u>, PubMed:<u>7607214</u>). Major cellular poly(rC)-binding protein (PubMed:<u>12414943</u>). Also binds poly(rU) (PubMed:<u>12414943</u>). Acts as

a negative regulator of antiviral signaling (PubMed: 19881509,

PubMed:<u>35322803</u>). Negatively regulates cellular antiviral responses mediated by MAVS signaling (PubMed:<u>19881509</u>). It acts as an adapter between MAVS and the E3 ubiquitin ligase ITCH, therefore triggering MAVS ubiquitination and degradation (PubMed:<u>19881509</u>). Negativeley regulates the cGAS-STING pathway via interaction with CGAS, preventing the formation of liquid- like droplets in which CGAS is activated (PubMed:<u>35322803</u>). Together with PCBP1, required for erythropoiesis, possibly by regulating

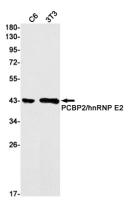
mRNA splicing (By similarity).

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.

Images



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