Anti-PCBP2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014198

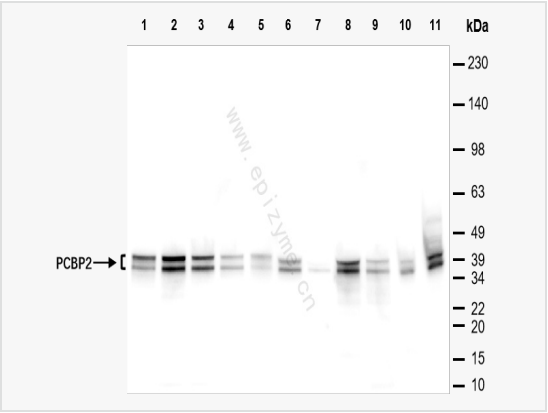
Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	91F71C66
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human PCBP2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-PCBP2 Rabbit mAb [91F71C66] is for research use only and not for use in diagnostic or therapeutic procedures.

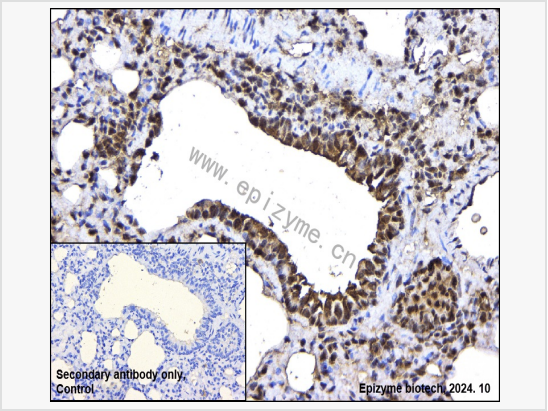
Protein Information

Synonyms	Alpha CP2, Alpha-CP2, alphaCP-2, Cbp, CTBP, Heterogeneous nuclear ribonucleoprotein E2, Heterogenous nuclear ribonucleoprotein E2, hnRNP E2, hnRNP-E2, HNRNPE2, Hnrnpx, HNRPE2, Hnrpx, MGC110998, PCBP2, PCBP2_HUMAN, poly(rC) binding protein 2, Poly(rC)-binding protein 2, Putative heterogeneous nuclear ribonucleoprotein X, rCbinding protein 2.
Calculated MW	Calculated MW: 39 kDa; Observed MW: 35 kDa, 39 kDa
Uniprot ID	Q15366
Gene ID	5094
Background	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 ubiquitinationa and degradation.
Cellular Location	Nucleus. Cytoplasm. Loosely bound in the nucleus. May shuttle between the nucleus and the cytoplasm.
Tissue Location	Detected in all tissues examined.

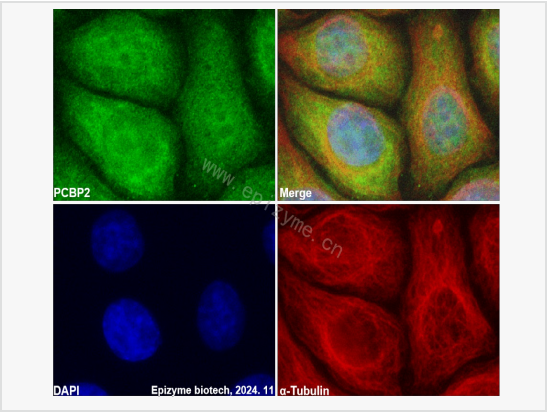
Validation Images



Western Blot - Anti-PCBP2 Rabbit mAb [91F71C66]
All lanes: R014198 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane 3: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates
Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lane 6: Rat heart whole tissue lysates
Lane 7: Rat muscle whole tissue lysates
Lane 8: Rat spleen whole tissue lysates
Lane 9: Mouse small intestine whole tissue lysates
Lane10: Mouse kidney whole tissue lysates
Lane11: Mouse brain whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 39 kDa
Observed band size: 35 kDa, 39 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-PCBP2 Rabbit mAb [91F71C66]
Sample: Paraformaldehyde-fixed, paraffin embedded rat lung tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014198 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-PCBP2 Rabbit mAb [91F71C66]
Sample: HeLa cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R014198 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).