

Anti-PCBP1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

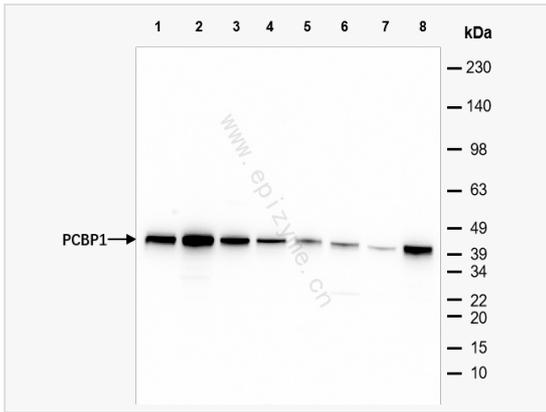
Catalog # R014197

Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Rat, Human, Mouse
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.	87B26M89
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human PCBP1
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-PCBP1 Rabbit mAb [87B26M89] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Alpha-CP1, Heterogeneous nuclear ribonucleoprotein E1, heterogenous nuclear ribonucleoprotein E1, heterogenous nuclear ribonucleoprotein X, hnRNP E1, hnRNP-E1, hnRNP-X, HNRPE1, HNRPX, nucleic acid binding protein sub 2.3, Nucleic acid-binding protein SUB2.3, Nucleic acid-binding protein SUB2.3, PCBP1, PCBP1_HUMAN, poly(rC) binding protein 1, Poly(rC)-binding protein 1, rCbinding protein 1.
Calculated MW	Calculated MW: 37 kDa; Observed MW: 40 kDa
Uniprot ID	Q15365
Gene ID	5093
Background	Single-stranded nucleic acid binding protein that binds preferentially to oligo dC.
Cellular Location	Nucleus. Cytoplasm. Loosely bound in the nucleus. May shuttle between the nucleus and the cytoplasm.
Tissue Location	Abundantly expressed in skeletal muscle, thymus and peripheral blood leukocytes while a lower expression is observed in prostate, spleen, testis, ovary, small intestine, heart, liver, adrenal and thyroid glands.



Western Blot - Anti-PCBP1 Rabbit mAb [87B26M89]

All lanes: R014197 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

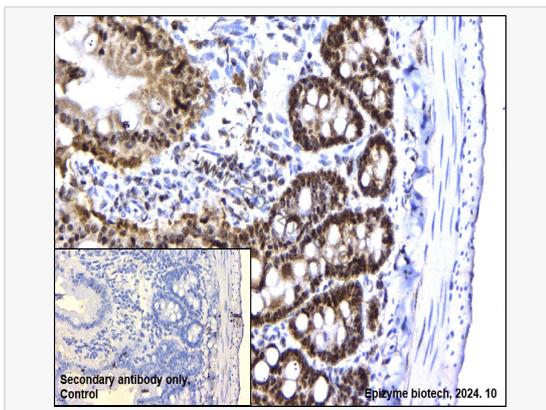
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 37 kDa

Observed band size: 40 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-PCBP1 Rabbit mAb [87B26M89]

Sample: Paraformaldehyde-fixed, paraffin embedded rat colon tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014197 at 1:200 dilution

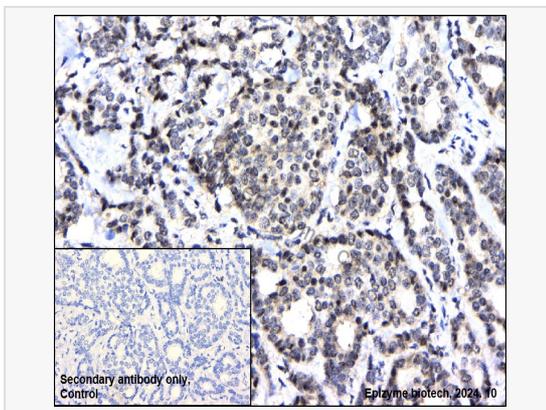
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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.



Immunohistochemistry - Anti-PCBP1 Rabbit mAb [87B26M89]

Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014197 at 1:200 dilution

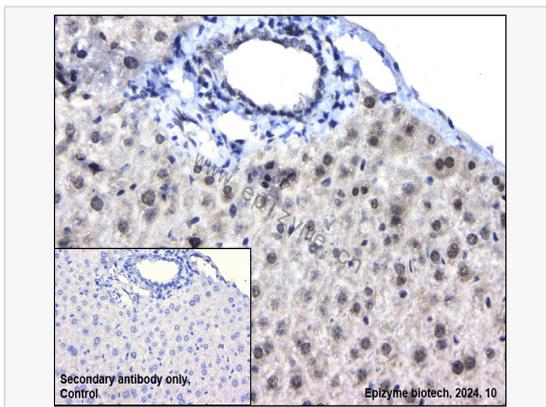
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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.



Immunohistochemistry - Anti-PCBP1 Rabbit mAb [87B26M89]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse liver tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014197 at 1:200 dilution

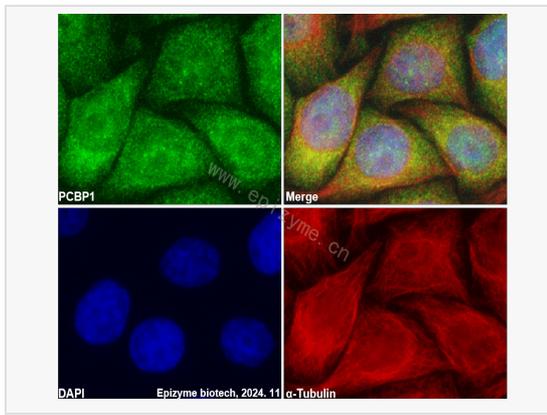
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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-PCBP1 Rabbit mAb [87B26M89]

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: R014197 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).