

## Anti-CTBP1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

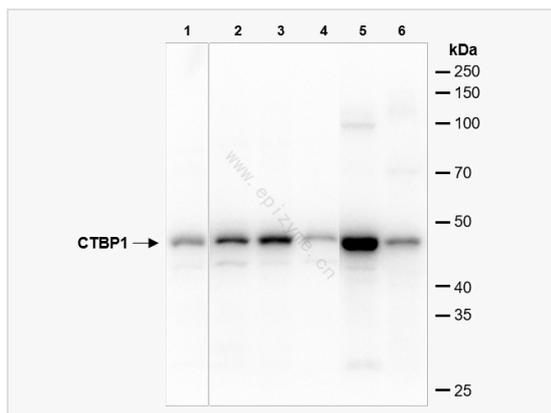
Catalog # R012844

### Product Information

Application	IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA, WB
Reactivity	Rat, Mouse, Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:200; IF 1:100
Host	Rabbit
Clonality	Monoclonal
Clone No.	53M82L55
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human CtBP1
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-CTBP1 Rabbit mAb [53M82L55] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	CTBP1, CTBP, C-terminal-binding protein 1, CtBP1.
Calculated MW	Calculated MW: 48 kDa; Observed MW: 48 kDa
Uniprot ID	Q13363
Gene ID	1487
Background	Involved in controlling the equilibrium between tubular and stacked structures in the Golgi complex. Functions in brown adipose tissue (BAT) differentiation. Corepressor targeting diverse transcription regulators such as GLIS2. Has dehydrogenase activity.



Western Blot - Anti-CTBP1 Rabbit mAb [53M82L55]

All lanes: R012844 at 1:1,000 dilution

Lane 1: HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: T24 (human bladder cancer epithelial cell) whole cell lysates

Lane 3: HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysates

Lane 4: U2OS (human osteosarcoma epithelial cell) whole cell lysates

Lane 5: Rat brain whole tissue lysates

Lane 6: Rat heart whole tissue lysates

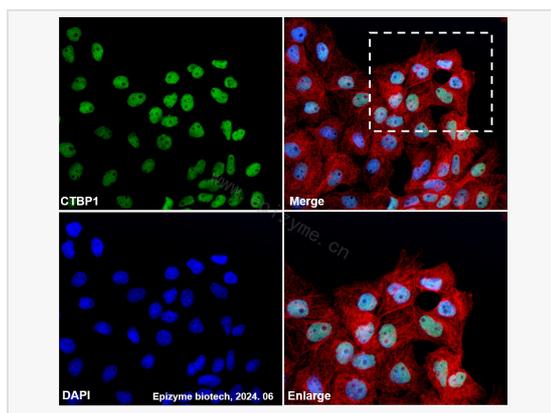
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 48 kDa

Observed band size: 48 kDa

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



Immunofluorescence - Anti-CTBP1 Rabbit mAb [53M82L55]

Sample: A431 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.

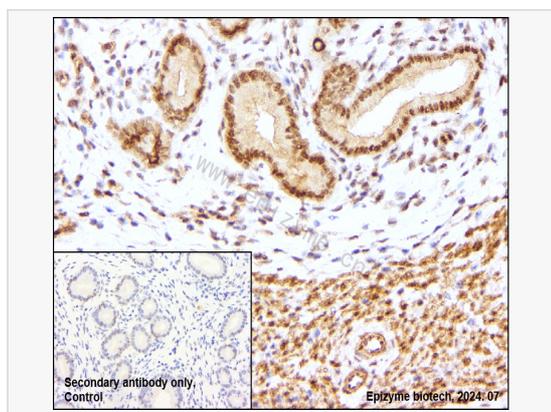
Primary antibodies: R012844 at 1:100 dilution and α-tubulin Mouse Monoclonal

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).



Immunohistochemistry - Anti-CTBP1 Rabbit mAb [53M82L55]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse uterus tissue

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

Primary antibody: R012844 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.