

## Anti-Oct-1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

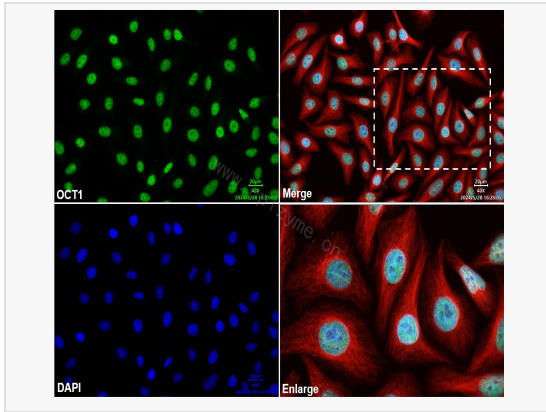
Catalog # R012117

### Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Mouse, Rat, Human
Dilution	WB 1:5,000; IHC-P 1:200; IF 1:100
Host	Rabbit
Clonality	Monoclonal
Clone No.	53L23M31
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human Oct-1
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-Oct-1 antibody [53L23M31] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	POU2F1, OCT1, OTF1, POU domain, class 2, transcription factor 1, NF-A1, Octamer-binding protein 1, Oct-1, Octamer-binding transcription factor 1, OTF-1, POU2F2, OCT2, OTF2, POU domain, class 2, transcription factor 2, Lymphoid-restricted im.
Calculated MW	Calculated MW: 76 kDa; Observed MW: 90-100 kDa
Uniprot ID	P14859
Gene ID	5451
Background	Transcription factor that binds to the octamer motif (5'-ATTTGCAT-3') and activates the promoters of the genes for some small nuclear RNAs (snRNA) and of genes such as those for histone H2B and immunoglobulins.



Immunofluorescence - Anti-Oct-1 Rabbit mAb [53L23M31]

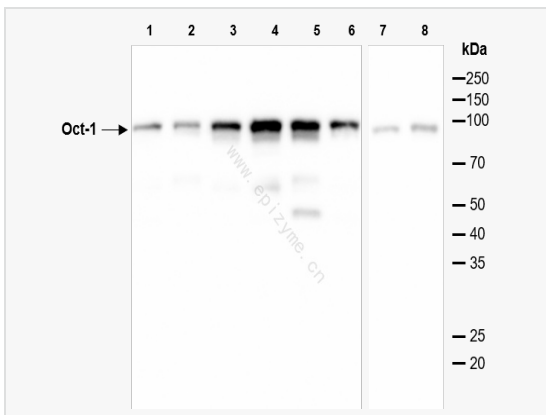
Sample: HeLa cells

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: R012117 at 1:100 dilution and  $\alpha$ -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).



Western Blot - Anti-Oct-1 Rabbit mAb [53L23M31]

All lanes: R012117 at 1:5,000 dilution

Lane 1: A431 (human epidermoid carcinoma cell line) whole cell lysates

Lane 2: C2C12 (mouse myoblasts epithelial cell) whole cell lysates

Lane 3: Jurkat (human T lymphocytic leukemia cell) whole cell lysates

Lane 4: HCT116 (human colorectal carcinoma epithelial cell) whole cell lysates

Lane 5: RAW264.7 (mouse mononuclear macrophage leukemia epithelial cell)

Lane 6: HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysates

Lane 7: Rat stomach whole tissue lysates

Lane 8: Balb/c mouse liver whole tissue lysates

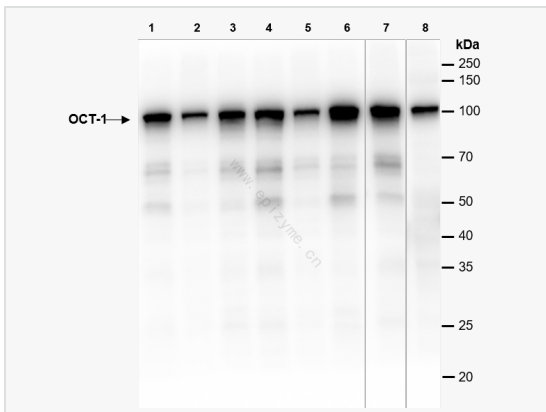
Lysates/proteins at 10  $\mu$ g per lane.

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

Predicted band size: 76 kDa

Observed band size: 90-100 kDa

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



Western Blot - Anti-Oct-1 Rabbit mAb [53L23M31]

All lanes: R012117 at 1:1,000 dilution

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

Lane 2: MCF7 (human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 3: Jurkat (human T lymphocytic leukemia cell) whole cell lysates

Lane 4: HCT116 (human colorectal carcinoma epithelial cell) whole cell lysates

Lane 5: T24 (human bladder cancer epithelial cell) whole cell lysates

Lane 6: HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysates

Lane 7: SW620 (human colorectal carcinoma epithelial cell) whole cell lysates

Lane 8: Rat liver whole tissue lysates

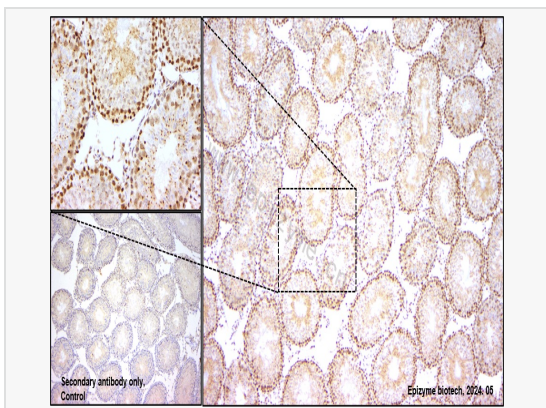
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Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 76 kDa

Observed band size: 90-100 kDa

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



Immunohistochemistry - Anti-Oct-1 Rabbit mAb [53L23M31]

Sample: Paraformaldehyde-fixed, paraffin embedded rat testis tissue

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

Primary antibody: R012117 at 1:200 dilution

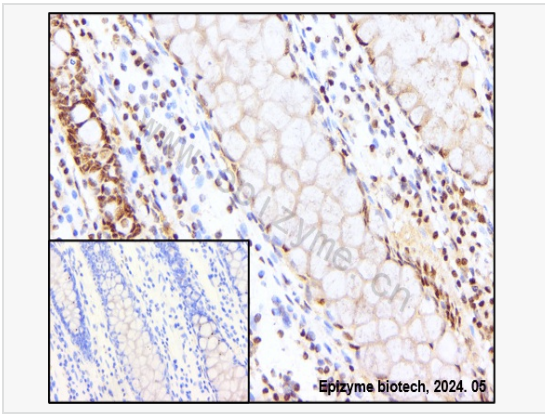
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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-Oct-1 Rabbit mAb [53L23M31]

Sample: Paraformaldehyde-fixed, paraffin embedded human colorectal carcinoma tissue  
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R012117 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.