

Anti-Survivin Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

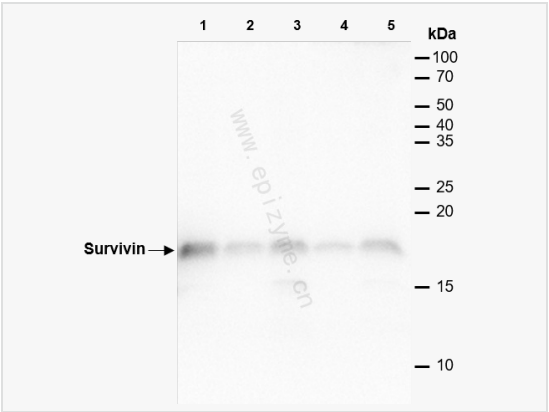
Catalog # R013832

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA, IF (Cell)/ICC
Reactivity	Rat, Human, Mouse
Dilution	WB 1:1,000~1:4,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	62H08D19
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Survivin
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-Survivin Rabbit mAb [62H08D19] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	API4, Apoptosis inhibitor 4, Apoptosis inhibitor survivin, Apoptosis inhibitor4, Baculoviral IAP repeat containing 5, Baculoviral IAP repeat containing protein 5, Baculoviral IAP repeat-containing protein 5, BIRC 5, BIRC5, BIRC5_HUMAN, EPR 1, IAP4, Survivin variant 3 alpha, SVV, TIAP.
Calculated MW	Calculated MW: 16 kDa; Observed MW: 16 kDa
Uniprot ID	O15392
Gene ID	332
Background	Survivin is an apoptosis inhibitor that is expressed during the G2/M phase of the cell cycle. Associates with the microtubules of the mitotic spindle and any disruption results in the loss of apoptosis activity. May play a role in neoplasia.
Cellular Location	Cytoplasm. Nucleus. Chromosome. Chromosome > centromere. Cytoplasm > cytoskeleton > spindle. Localizes on chromosome arms and inner centromeres from prophase through metaphase and then transferring to the spindle midzone and midbody from anaphase through cytokinesis. Colocalizes with AURKB at mitotic chromosomes.
Tissue Location	Expressed only in fetal kidney and liver, and to lesser extent, lung and brain. Abundantly expressed in adenocarcinoma (lung, pancreas, colon, breast, and prostate) and in high-grade lymphomas. Also expressed in various renal cell carcinoma cell lines.



Western Blot - Anti-Survivin Rabbit mAb [62H08D19]

All lanes: R013832 at 1:4,000 dilution

Lane 1: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates

Lane 2: U2OS (Human osteosarcoma epithelial cell) whole cell lysates

Lane 3: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: 293T (Human embryonic kidney cell) whole cell lysates

Lane 5: HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates

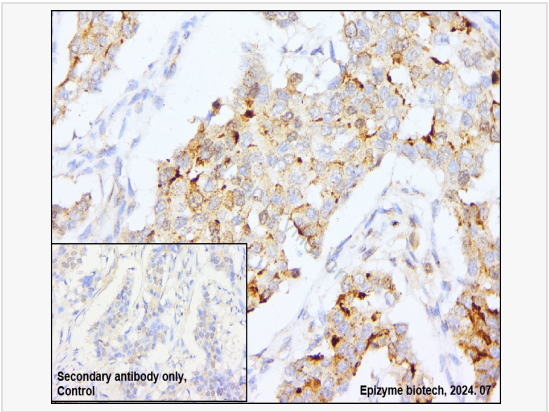
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 16 kDa

Observed band size: 16 kDa

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



Immunohistochemistry - Anti-Survivin Rabbit mAb [62H08D19]

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

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

Primary antibody: R013832 at 1:200 dilution

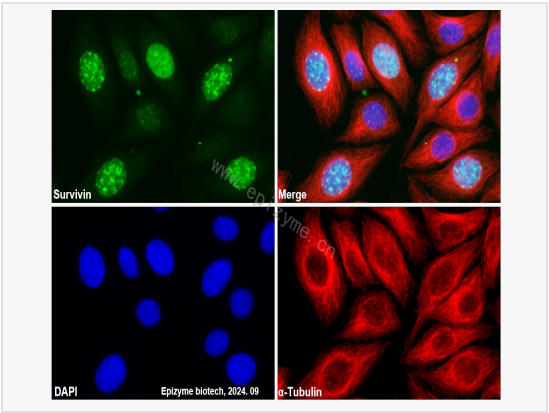
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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-Survivin Rabbit mAb [62H08D19]

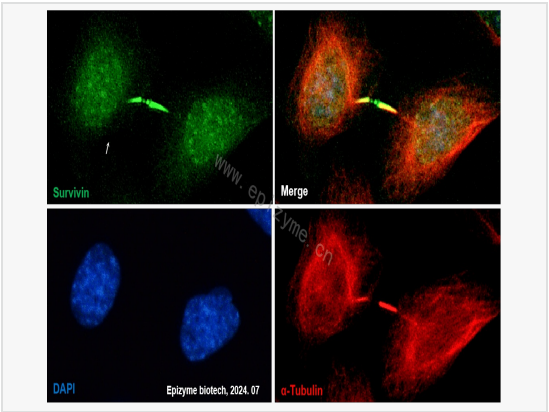
Sample: HeLa cells

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: R013832 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).



Immunofluorescence - Anti-Survivin Rabbit mAb [62H08D19]

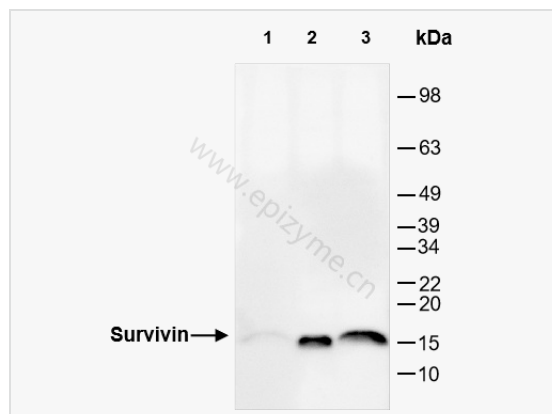
Sample: HeLa cells

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: R013832 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).



Western Blot - Anti-Survivin Rabbit mAb [62H08D19]

All lanes: R013832 at 1:4,000 dilution

Lane 1: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 2: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 3: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell 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: 16 kDa

Observed band size: 16 kDa

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