

Anti-SAM68 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

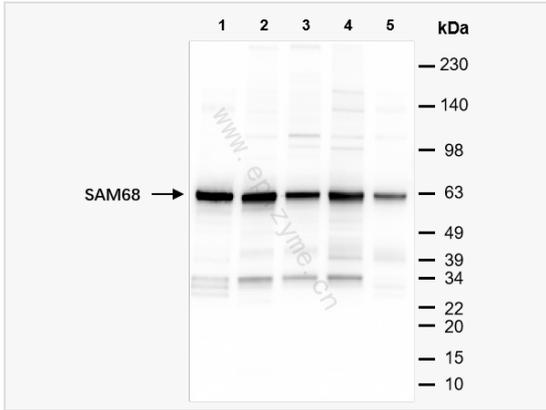
Catalog # R014201

Product Information

Application	IF (Cell)/ICC, ELISA, WB, IHC-P/IF (Tissue-P)
Reactivity	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.	93J28R39
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human SAM68
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-SAM68 Rabbit mAb [93J28R39] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	FLJ34027, GAP associated tyrosine phosphoprotein p62, GAP-associated tyrosine phosphoprotein p62, KH domain containing RNA binding signal transduction associated 1, KH domain-containing, KHDR1_HUMAN, Khdrbs1, p21 Ras GTPase activating protein associated p62, p21 Ras GTPase-activating protein-associated p62, p62, p68, RNA-binding, Sam68, signal transduction-associated protein 1, Src associated in mitosis 68 kDa protein, Src-associated in mitosis 68 kDa protein.
Calculated MW	Calculated MW: 48 kDa; Observed MW: 63-68 kDa
Uniprot ID	Q07666
Gene ID	10657
Background	Recruited and tyrosine phosphorylated by several receptor systems, for example the T-cell, leptin and insulin receptors. Once phosphorylated, functions as an adapter protein in signal transduction cascades by binding to SH2 and SH3 domain-containing proteins.
Cellular Location	Nucleus. Membrane.
Tissue Location	Ubiquitously expressed in all tissue examined. Isoform 1 is expressed at lower levels in brain, skeletal muscle, and liver whereas isoform 3 is intensified in skeletal muscle and in liver.



Western Blot - Anti-SAM68 Rabbit mAb [93J28R39]

All lanes: R014201 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

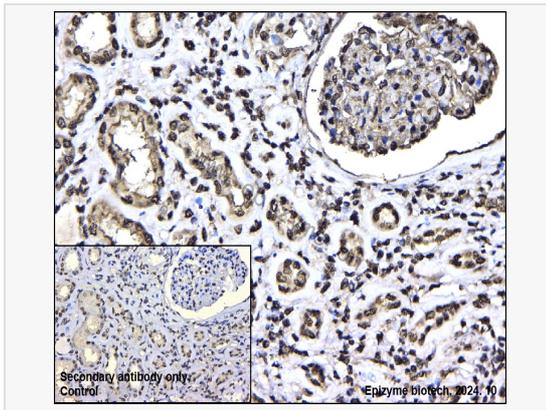
Lysates/proteins at 10 µg per lane.

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: 63-68 kDa

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



Immunohistochemistry - Anti-SAM68 Rabbit mAb [93J28R39]

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

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

Primary antibody: R014201 at 1:200 dilution

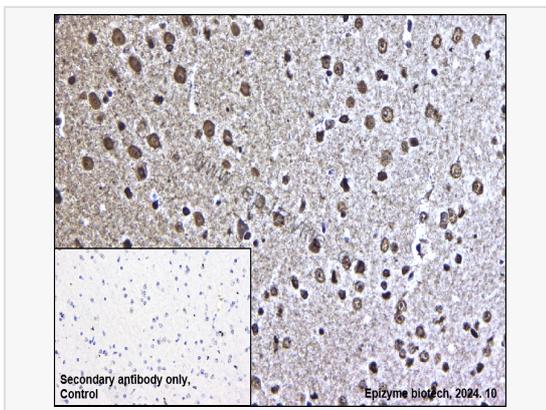
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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-SAM68 Rabbit mAb [93J28R39]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse brain tissue

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

Primary antibody: R014201 at 1:200 dilution

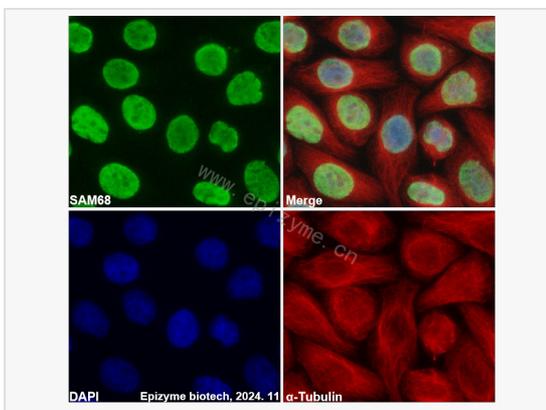
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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-SAM68 Rabbit mAb [93J28R39]

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: R014201 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).