Anti-Phospho-Src (Tyr419) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R015543

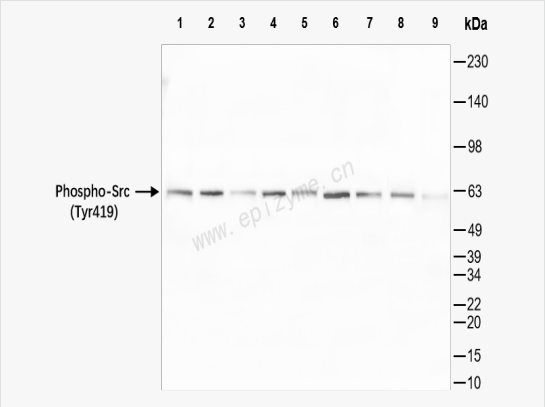
Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	28D09G23
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Tyr419 of human Src
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-Phospho-Src (Tyr419) Rabbit mAb [28D09G23] is for research use only and not for use in diagnostic or therapeutic procedures.

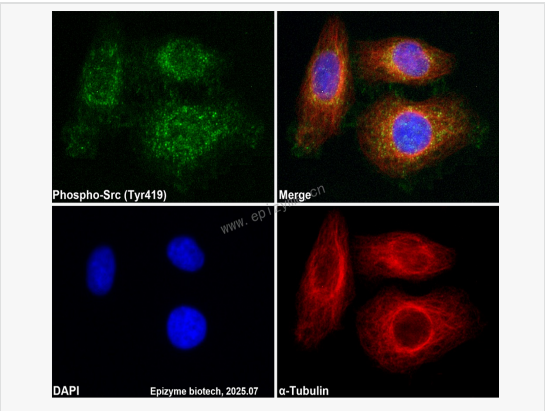
Protein Information

Synonyms	ASV; Avian sarcoma virus; AW259666; c SRC; CDNA FLJ14219 fis clone NT2RP3003800 highly similar to Rattus norvegicus tyrosine protein kinase pp60 c src mRNA; cSrc; EC 2.7.10.2; Neuronal CSRC tyrosine specific protein kinase; Neuronal proto-oncogene tyrosine-protein kinase Src; Neuronal SRC; Oncogene SRC; OTTHUMP00000174476; OTTHUMP00000174477; p60 Src; p60-Src; p60c-src; p60Src; pp60c src; pp60c-src; pp60csrc; Proto oncogene tyrosine protein kinase Src; Proto-oncogene c-Src; Proto-oncogene tyrosine-protein kinase Src; Protooncogene SRC; Protooncogene SRC Rous sarcoma; Src; SRC Oncogene; SRC proto oncogene non receptor tyrosine kinase; SRC_HUMAN; SRC1; Tyrosine kinase pp60c src; Tyrosine protein kinase SRC 1; Tyrosine protein kinase SRC1; v src avian sarcoma (Schmidt Ruppin A2) viral oncogene homolog; V src sarcoma (Schmidt Ruppin A 2) viral oncogene homolog (avian); v src sarcoma (Schmidt Ruppin A 2) viral oncogene homolog avian.
Calculated MW	Calculated MW: 60 kDa; Observed MW: 60 kDa
Uniprot ID	P12931
Gene ID	6714
Background	This gene is highly similar to the v-src gene of Rous sarcoma virus. This proto-oncogene may play a role in the regulation of embryonic development and cell growth. The protein encoded by this gene is a tyrosine-protein kinase whose activity can be inhibited by phosphorylation by c-SRC kinase. Mutations in this gene could be involved in the malignant progression of colon cancer. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]
Cellular Location	Cell membrane. Mitochondrion inner membrane.

Validation Images



Western Blot - Anti-Phospho-Src (Tyr419) Rabbit mAb [28D09G23]
All lanes: R015543 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: 293T (Human embryonic kidney cell) whole cell lysates
Lane 5: K562 (Human chronic myeloid leukemia cell) whole cell lysates
Lane 6: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates
Lane 7: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane 8: Mouse brain whole tissue lysates
Lane 9: 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: 60 kDa
Observed band size: 60 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Phospho-Src (Tyr419) Rabbit mAb [28D09G23]
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: R015543 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).