Anti-Phospho-SIRT1 (Ser47) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R013935

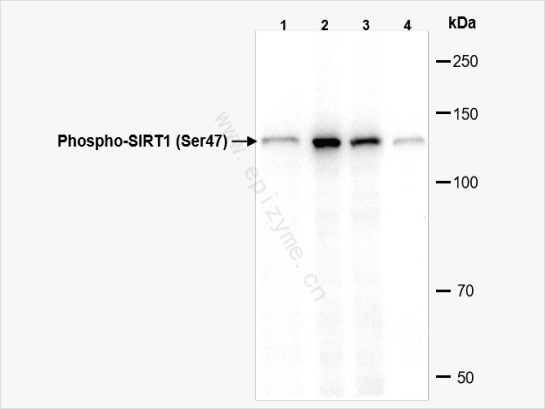
Product Information

Application	ELISA, WB
Reactivity	Human
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	49C75S90
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Ser47 of human SIRT1
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-SIRT1 (Ser47) Rabbit mAb [49C75S90] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	SIR2, SIR2L1, SIR2alpha.
Calculated MW	Calculated MW: 120 kDa; Observed MW: 120 kDa
Uniprot ID	Q96EB6
Gene ID	23411
Background	This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class I of the sirtuin family. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2008]

Validation Images



Western Blot - Anti-Phospho-SIRT1 (Ser47) Rabbit mAb [49C75S90]
All lanes: R013935 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: U2OS (Human osteosarcoma 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: 120 kDa
Observed band size: 120 kDa
Developed using the ECL technique (Cat. No. SQ201).