

Anti-Phospho-SIRT1 (Ser47) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

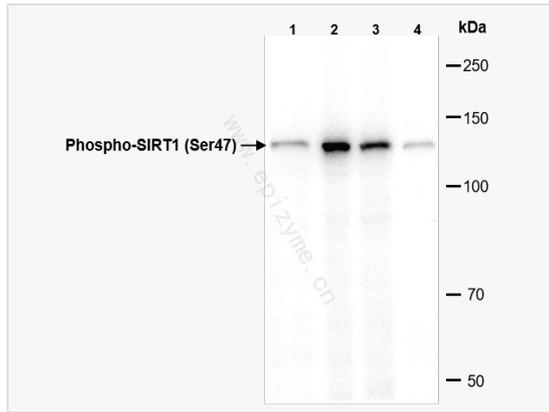
Catalog # R013935

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] |



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 μ g 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).