

Anti-Phospho-SIRT1 (Ser47) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

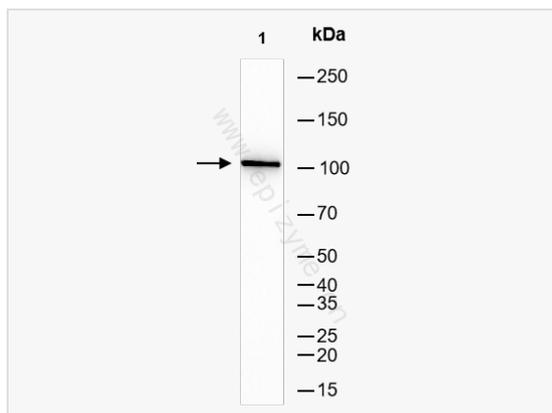
Catalog # R013975

Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	84I71L16
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Phospho-SIRT1 (S47)
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 [84I71L16] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	75SirT1, hSIR2, hSIRT1, HST2, HST2, <i>S. cerevisiae</i> , homolog of, NAD dependent deacetylase sirtuin 1, NAD dependent protein deacetylase sirtuin 1, NAD-dependent deacetylase sirtuin-1, OTTHUMP00000198111, OTTHUMP00000198112, Regulatory protein SIR2 homolog 1, SIR1_HUMAN, SIR2, SIR2 like 1, SIR2 like protein 1, SIR2, <i>S.cerevisiae</i> , homolog-like 1, SIR2-like protein 1, SIR2ALPHA, SIR2L1, Sirt1, SirT1 75 kDa fragment, Sirtuin (silent mating type information regulation 2 homolog) 1 (<i>S. cerevisiae</i>), Sirtuin 1, Sirtuin type 1.
Calculated MW	Calculated MW: 82 kDa; Observed MW: 110 kDa
Uniprot ID	Q96EB6
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.



Western Blot - Anti-Phospho-SIRT1 (Ser47) Rabbit mAb [84I71L16]

All lanes: R013975 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

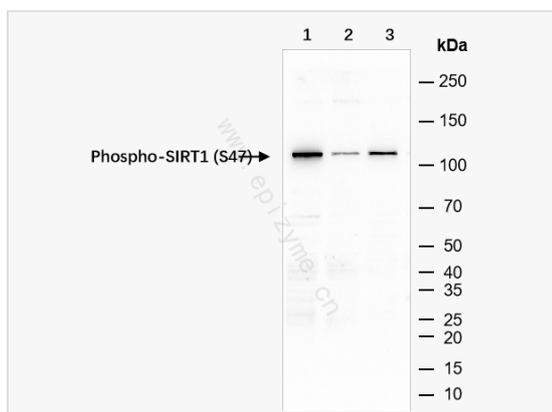
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 82 kDa

Observed band size: 110 kDa

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



Western Blot - Anti-Phospho-SIRT1 (Ser47) Rabbit mAb [84I71L16]

All lanes: R013975 at 1:1,000 dilution

Lane 1: HeL (Human erythroLeukemia suspension 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

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: 82 kDa

Observed band size: 110 kDa

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