

Anti-SIRT1 Rabbit pAb



WL02995

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-SIRT1 Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat, Pig	
Tested applications	WB	1:500-1:1000
	IHC	1:150
Cellular localization	Secreted and Cell membrane	
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background	SirT1 belongs to 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. SirT1 deacetylase activity is inhibited by nicotinamide and activated by resveratrol. In addition, SirT1 activity may be regulated by phosphorylation, as it is phosphorylated at Ser27 and Ser47 in vivo. Alternative splicing results in multiple transcript variants.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of SIRT1.
Purification	Polyclonal antibody was purified by immunogen affinity chromatography.

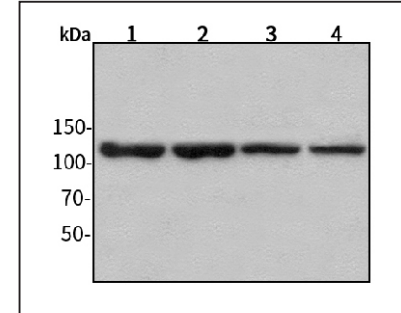
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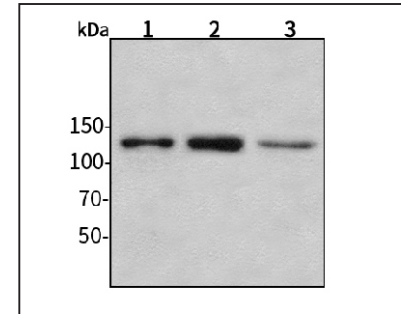
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Product Images



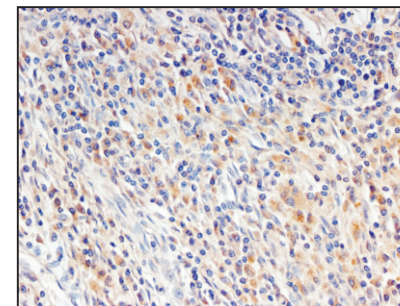
Western blot-Anti-SIRT1 pAb

Lane 1: Human HepG2 cell lysate
 Lane 2: Human Hela cell lysate
 Lane 3: Human BGC-823 cell lysate
 Lane 4: Human SGC-7901 cell lysate
 All lanes: Anti-SIRT1 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 82 kDa
 Observed band size: 110-130 kDa



Western blot-Anti-SIRT1 pAb

Lane 1: Mouse lung tissue lysate
 Lane 2: Mouse spleen tissue lysate
 Lane 3: Rat stomach tissue lysate
 All lanes: Anti-SIRT1 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 82 kDa
 Observed band size: 110-130 kDa



Immunohistochemistry-Anti-SIRT1 pAb

Immunohistochemical analysis of paraffin-embedded human colon cancer using anti-SIRT1 Rabbit Antibody at 1:150 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

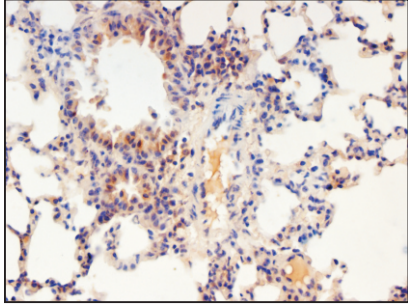
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Immunohistochemistry-Anti-SIRT1 pAb

Immunohistochemical analysis of paraffin-embedded mouse lung using anti-SIRT1 Rabbit Antibody at 1:150 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0