

SIRT2 Rabbit mAb

Catalog No: #52082

Package Size: #52082-1 50ul #52082-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

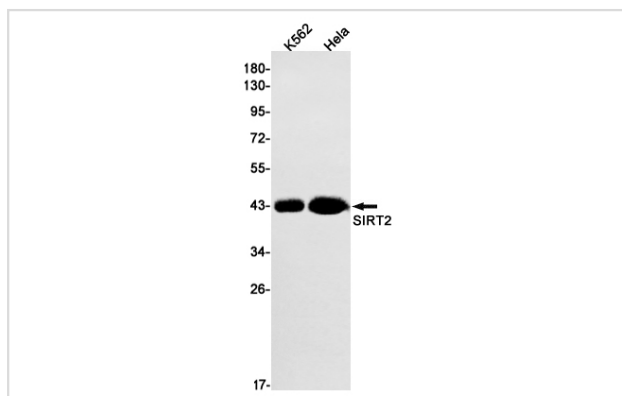
Description

Product Name	SIRT2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S06-8C9
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human,Rat
Immunogen Description	A synthetic peptide of human SIRT2
Conjugates	Unconjugated
Modification	Unmodification
Other Names	SIR2; SIR2L; SIR2L2
Accession No.	Swiss-Prot:Q8IXJ6GenelD:22933
Uniprot	Q8IXJ6
GenelD	22933
Calculated MW	Calculated MW: 43 kDa; Observed MW: 43 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Application Details

WB: 1/1000

Images



Western blot detection of SIRT2 in K562, HeLa cell lysates using SIRT2 Rabbit mAb(1:1000 diluted). Predicted band size: 43kDa. Observed band size: 43kDa.

Background

Swiss-Prot Acc.Q8IXJ6.Participates in the modulation of multiple and diverse biological processes such as cell cycle control, genomic integrity, microtubule dynamics, cell differentiation, metabolic networks, and autophagy. Plays a major role in the control of cell cycle progression and genomic stability. Functions in the antephasic checkpoint preventing precocious mitotic entry in response to microtubule stress agents, and hence allowing proper inheritance of chromosomes. Positively regulates the anaphase promoting complex/cyclosome (APC/C) ubiquitin ligase complex activity by deacetylating CDC20 and FZR1, then allowing progression through mitosis. Associates both with chromatin at transcriptional start sites (TSSs) and enhancers of active genes. Plays a role in cell cycle and chromatin compaction through epigenetic modulation of the regulation of histone H4 'Lys-20' methylation (H4K20me1) during early mitosis. Specifically deacetylates histone H4 at 'Lys-16' (H4K16ac) between the G2/M transition and metaphase enabling H4K20me1 deposition by KMT5A leading to ulterior levels of H4K20me2 and H4K20me3 deposition throughout cell cycle, and mitotic S-phase progression

Note: This product is for in vitro research use only