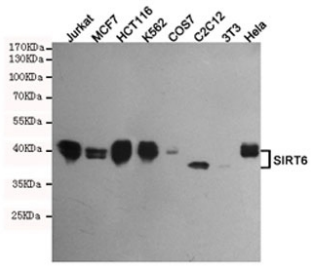
SIRT6 Antibody [clone 6C9-D10-D3] (F54008)

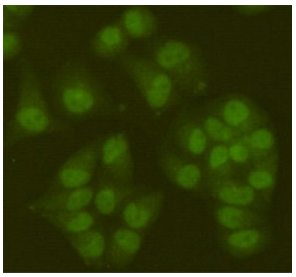
Catalog No.	Formulation	Size
F54008-0.1ML	In PBS with 50% glycerol and 0.03% ProClin 300	0.1 ml

Bulk quote request

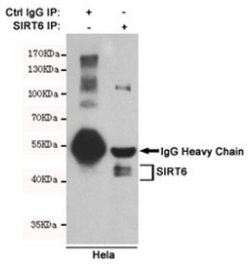
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Primate
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	6C9-D10-D3
Purity	Protein G affinity
UniProt	Q8N6T7
Applications	Western blot: 1:500 ICC/IF: 1:100 Immunoprecipitation: suitable
Limitations	This SIRT6 antibody is available for research use only.



Western blot testing of human Jurkat, MCF7, HCT116, K562, monkey COS7, mouse C2C12, mouse NIH3T3 and human HeLa cell lysates using SIRT6 antibody at 1:500. Predicted molecular weight ~42 kDa.



ICC/IF testing of HeLa cells, fixed by 4% paraformaldehyde, with SIRT6 antibody at 1:100.



Immunoprecipitation of SIRT6 from HeLa cell lysate using SIRT6 antibody. The precipitate was subsequently immunoblotted with the same mAb.

Description

NAD-dependent protein deacetylase. Has deacetylase activity towards histone H3K9Ac and H3K56Ac. Modulates acetylation of histone H3 in telomeric chromatin during the S-phase of the cell cycle. Deacetylates histone H3K9Ac at NF-kappa-B target promoters and may down-regulate the expression of a subset of NF-kappa-B target genes. Acts as a corepressor of the transcription factor HIF1A to control the expression of multiple glycolytic genes to regulate glucose homeostasis. [UniProt]

Application Notes

The stated application concentrations are suggested starting points. Titration of the SIRT6 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A human recombinant protein was used as the immunogen for this SIRT6 antibody.

Storage

Store the SIRT6 antibody at -20oC.

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