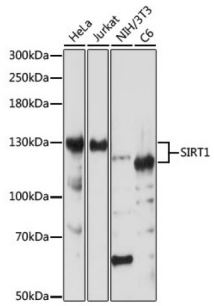
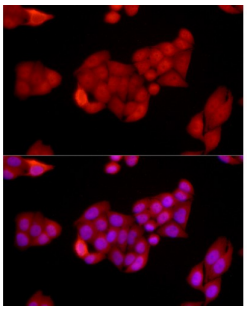
NAD-Dependent Protein Deacetylase Sirtuin-1 (SIRT1) Antibody

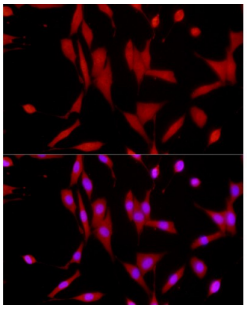
Catalogue No.:abx000615



Western blot analysis of extracts of various cell lines using SIRT1 Antibody (1/1000 dilution).



Immunofluorescence analysis of HeLa cells using [KO Validated] SIRT1 Antibody (1/250 dilution, 40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using [KO Validated] SIRT1 antibody (1/250 dilution, 40x lens). Blue: DAPI for nuclear staining.

SIRT1 Antibody is a Rabbit Polyclonal antibody against SIRT1. 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.

Target:	NAD-Dependent Protein Deacetylase Sirtuin-1 (SIRT1)
Research Area:	Endocrinology
Clonality:	Polyclonal
Reactivity:	Human, Mouse
Tested Applications:	WB, IF/ICC

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Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/2000, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	A synthetic peptide corresponding to human SIRT1
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q96EB6 (UniProt, ExPASy)
Gene Symbol:	SIRT1
GeneID:	23411
NCBI Accession:	NP_036370.2
KEGG:	hsa:23411
String:	9606.ENSP00000212015
Molecular Weight:	Calculated MW: 61 kDa/81 kDa Observed MW: 120 kDa
Buffer:	PBS, pH 7.3, containing 0.01% thiomersal, 50% glycerol.
Concentration:	1 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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