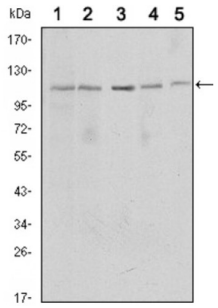
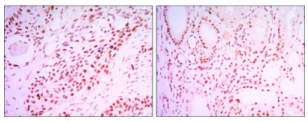
NAD-Dependent Protein Deacetylase Sirtuin-1 (SIRT1) Antibody

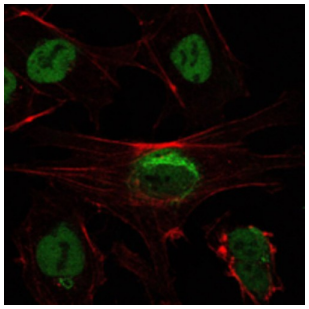
Catalogue No.:abx012037



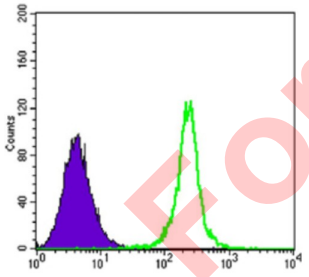
Western blot analysis using SIRT1 antibody against MCF-7 (1), Jurkat (2), Hela (3), HEK293 (4) and A549 (5) cell lysate.



Immunohistochemical analysis of paraffin-embedded lung cancer tissues (left) and kidney cancer tissues (right) using SIRT1 antibody with DAB staining.



Immunofluorescence analysis of NTERA-2 cells using SIRT1 antibody (green). Red: Actin filaments have been labeled with AF555 phalloidin.



Flow cytometric analysis of K562 cells using SIRT1 antibody (green) and negative control (purple).

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. [provided by RefSeq].

Target: NAD-Dependent Protein Deacetylase Sirtuin-1 (SIRT1)

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Research Area:	Endocrinology
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA, WB, IHC, IF/ICC, FCM
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human SIRT1 expressed in E. coli.
Isotype:	IgG_1
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q96EB6 (UniProt, ExPASy)
GeneID:	23411
KEGG:	hsa:23411
String:	9606.ENSP00000212015
Enzyme Commission Number:	EC 3.5.1.-
Molecular Weight:	120 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
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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