

Datasheet for ABIN5557342
anti-SIRT1 antibody (pThr530)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	SIRT1
Binding Specificity:	pThr530
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This SIRT1 antibody is un-conjugated
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Synthetic peptide derived from human SIRT1(T530), around 500-550aa (phospho T530).
Clone:	6H5
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	SIRT1
Alternative Name:	SIRT1 (SIRT1 Products)

Target Details

Background:	<p>Synonyms: SIR2L1, NAD-dependent protein deacetylase sirtuin-1, hSIRT1, Regulatory protein SIR2 homolog 1, SIR2-like protein 1, hSIR2, SIRT1</p> <p>Background: 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. [provided by RefSeq, Dec 2008]</p>
Gene ID:	23411
UniProt:	Q96EB6
Pathways:	MAPK Signaling , Intracellular Steroid Hormone Receptor Signaling Pathway , Regulation of Intracellular Steroid Hormone Receptor Signaling , Carbohydrate Homeostasis , Positive Regulation of Endopeptidase Activity , Regulation of Carbohydrate Metabolic Process , Positive Regulation of Response to DNA Damage Stimulus , Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	IHC-P 1:200-400 IF(ICC) 1:50-200
Restrictions:	For Research Use only

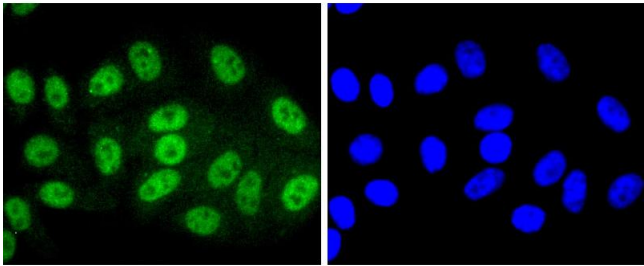
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

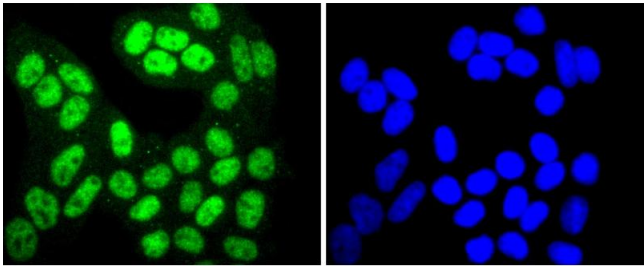
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunofluorescence (Cultured Cells)

Image 1. HepG2 cells were stained with SIRT1(T530) (6H5) Monoclonal Antibody at [1:200] incubated overnight at 4C, followed by secondary antibody incubation, DAPI staining of the nuclei and detection.



Immunofluorescence (Cultured Cells)

Image 2. HeLa cells were stained with SIRT1(T530) (6H5) Monoclonal Antibody at [1:200] incubated overnight at 4C, followed by secondary antibody incubation, DAPI staining of the nuclei and detection.