

Datasheet for ABIN5542440
anti-SIRT4 antibody (AA 215-314)

5 Images

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Overview

Quantity:	0.1 mg
Target:	SIRT4
Binding Specificity:	AA 215-314
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SIRT4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human SIRT4 (AA: 215-314) expressed in E. coli.
Clone:	6G6D2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	SIRT4
Alternative Name:	SIRT4 (SIRT4 Products)
Background:	Description: This gene encodes a member of the sirtuin family of proteins, homologs to the

Target Details

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 IV of the sirtuin family.,

Aliases: SIR2L4

Molecular Weight: 35.2 kDa

Gene ID: 23409

HGNC: 23409

Pathways: [Negative Regulation of Hormone Secretion](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: , ICC: 1:100 - 1:500, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

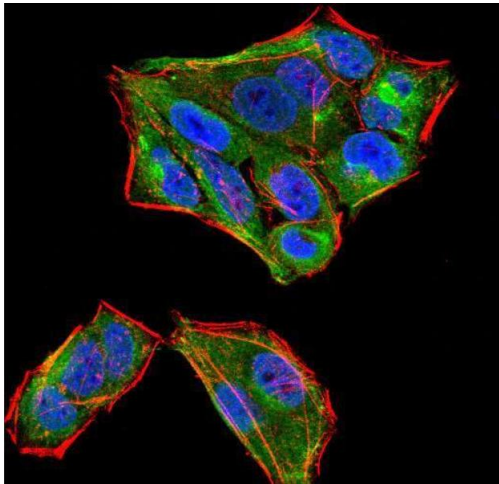
Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

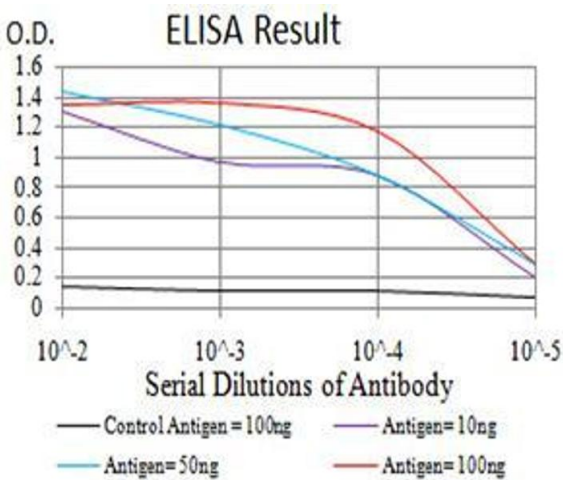
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage



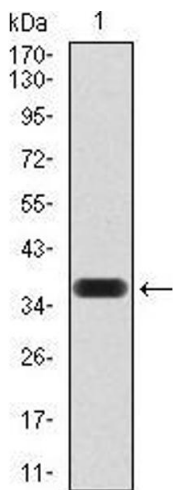
Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa cells using SIRT4 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



ELISA

Image 2. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Western Blotting

Image 3. Western blot analysis using SIRT4 mAb against human SIRT4 (AA: 215-314) recombinant protein. (Expected MW is 37 kDa)

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN5542440.