

Datasheet for ABIN5542445
anti-SIRT7 antibody (AA 1-105)



[Go to Product page](#)

5 Images

Overview

Quantity:	100 µL
Target:	SIRT7
Binding Specificity:	AA 1-105
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SIRT7 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

Product Details

Purpose:	SIRT7 Antibody
Immunogen:	Purified recombinant fragment of human SIRT7 (AA: 1-105) expressed in E. Coli.
Clone:	1E2G10
Isotype:	IgG1
Purification:	Purified antibody

Target Details

Target:	SIRT7
Alternative Name:	SIRT7 (SIRT7 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: SIR2L7

Molecular Weight: 44.9kDa

Gene ID: 51547

HGNC: 51547

UniProt: [Q9NRC8](#)

Application Details

Application Notes: ELISA: 1/10000

Restrictions: For Research Use only

Handling

Format: Liquid

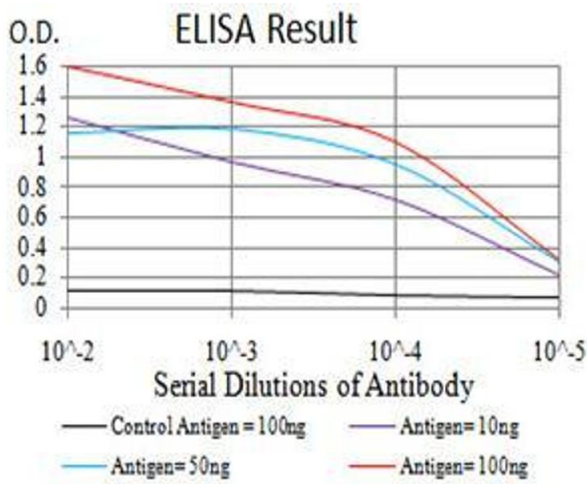
Buffer: Purified antibody in PBS with 0.05 % sodium azide.

Preservative: Sodium azide

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

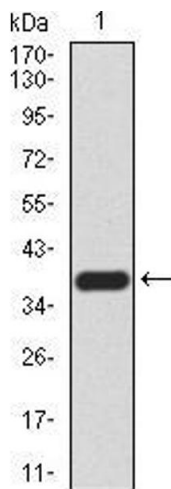
Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.



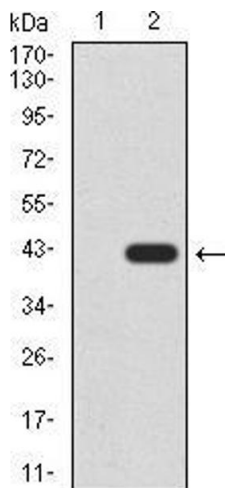
ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Western Blotting

Image 2. Western blot analysis using SIRT7 mAb against human SIRT7 (AA: 1-105) recombinant protein. (Expected MW is 38 kDa)



Western Blotting

Image 3. Western blot analysis using SIRT7 mAb against HEK293 (1) and SIRT7 (AA: 1-105)-hlgGfc transfected HEK293 (2) cell lysate.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN5542445.