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Datasheet for ABIN3032600
anti-SIRT7 antibody (AA 331-360)

3 Images

Overview

Quantity:	0.4 mL
Target:	SIRT7
Binding Specificity:	AA 331-360
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIRT7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	A portion of amino acids 331-360 from the human protein was used as the immunogen for this SIRT7 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Rat, Bovine
Purification:	Purified

Target Details

Target:	SIRT7
Alternative Name:	SIRT7 (SIRT7 Products)
Background:	SIRT7 is a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein.

Target Details

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.

UniProt: [Q9NRC8](#)

Application Details

Application Notes: Titration of the SIRT7 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100

Restrictions: For Research Use only

Handling

Format: Liquid

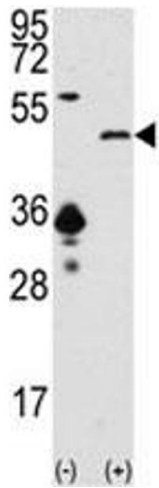
Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

Preservative: Sodium azide

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

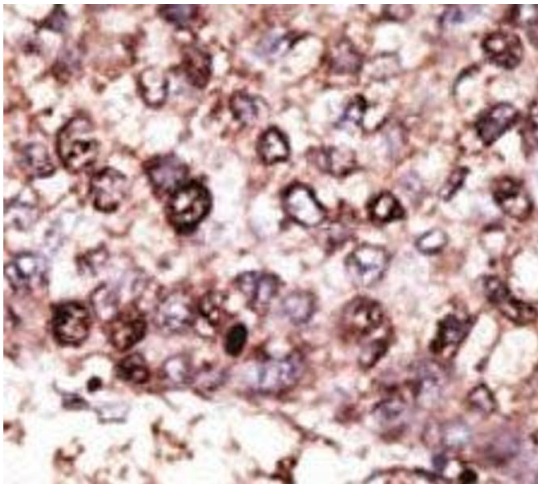
Storage: -20 °C

Storage Comment: Aliquot the SIRT7 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



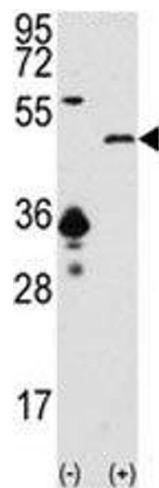
Western Blotting

Image 1. Western blot analysis of SIRT7 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the SIRT7 gene (2).



Immunohistochemistry

Image 2. IHC analysis of FFPE human hepatocarcinoma tissue stained with the SIRT7 antibody



Western Blotting

Image 3. Western blot analysis of SIRT7 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the SIRT7 gene (2).