

Datasheet for ABIN652184
anti-SIRT3 antibody (C-Term)[Go to Product page](#)

5 Images

2 Publications

Overview

Quantity:	200 µL
Target:	SIRT3
Binding Specificity:	AA 304-334, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIRT3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Sirt3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 304-334 amino acids from the C-terminal region of Mouse Sirt3.
Clone:	RB25945
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SIRT3
Alternative Name:	Sirt3 (SIRT3 Products)
Background:	SIRT3 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. The SIRT3 is included in class I of the sirtuin family.

Molecular Weight: 36615

Gene ID: 64384

NCBI Accession: [NP_001120823](#), [NP_001171275](#), [NP_071878](#)

UniProt: [Q8R104](#)

Application Details

Application Notes: WB: 1:2000. WB: 1:64000. WB: 1:2000. WB: 1:2000. IHC-P: 1:50~100

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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.

Handling Advice: Avoid freeze-thaw cycles.

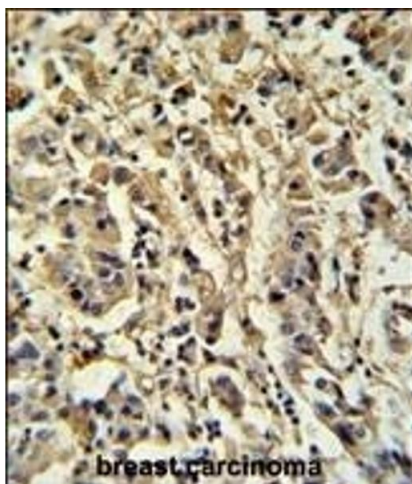
Storage: 4 °C, -20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots.

Expiry Date: 6 months

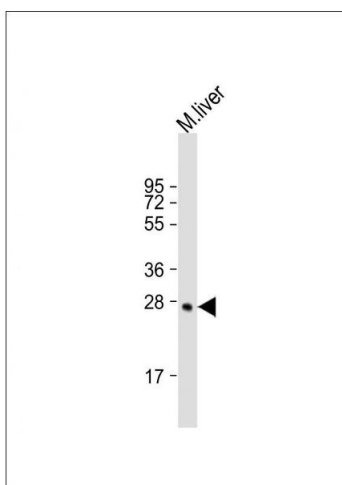
Publications

Product cited in: Hu, Zhou, Zhao, Wu: "Integrin α 6/Akt/Erk signaling is essential for human breast cancer resistance to radiotherapy." in: **Scientific reports**, Vol. 6, pp. 33376, (2018) ([PubMed](#)).



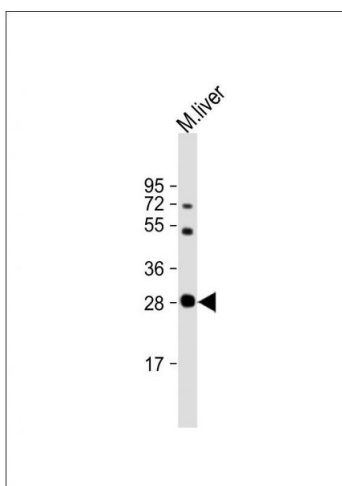
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Sirt3 Antibody (C-term) (ABIN652184 and ABIN2840670) IHC analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the Sirt3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. Anti-Mouse Sirt3 Antibody (C-term) at 1:2000 dilution + mouse liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 37 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 3. Anti-Sirt3 Antibody (C-term) at 1:64000 dilution + mouse liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 37 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN652184.