Datasheet for ABIN214144

anti-SIRT1 antibody (AA 207-256)

2 Images

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Overview

Quantity:	100 µL
Target:	SIRT1
Binding Specificity:	AA 207-256
Reactivity:	Human, Mouse, Rat, Dog, Monkey, Cow, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio), Bat, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIRT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic peptide located between aa207-256 of human SIRT1 (Q96EB6, NP_036370). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Galago, Marmoset, Mouse, Rat, Elephant, Dog, Bovine, Bat, Rabbit, Horse, Pig, Guinea pig (100%), Turkey, Xenopus (92%), Chicken (85%), Zebrafish (84%). Type of Immunogen: Synthetic peptide
Isotype:	IgG
Specificity:	Human SIRT1

Product Details

Predicted Reactivity:	Percent identity by BLAST analysis: Human, Mouse, Rat, Dog, Bovine, Rabbit, Horse, Pig, Guinea pig (100%) Xenopus (92%) Chicken (85%) Zebrafish (84%).
Purification:	Immunoaffinity purified

Target Details

Target:	SIRT1
Alternative Name:	SIRT1 / Sirtuin 1 (SIRT1 Products)
Background:	Name/Gene ID: SIRT1 Family: ADP-Ribosyltransferase Synonyms: SIRT1, SIR2-like protein 1, SIR2alpha, SIR2L1, Sirtuin 1, Sir2-like 1, Sirtuin type 1, HSIR2, HSIRT1
Gene ID:	23411
NCBI Accession:	NP_036370
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:	Approved: IHC, IHC-P (5 µg/mL), WB (0.5 µg/mL) Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 5 µg/mL.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Distilled water
Concentration:	Lot specific
Buffer:	Lyophilized from PBS with 2 % sucrose
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Long term: -20°C, the use of 50% glycerol is recommended if storing aliquots in -20°C for long term use (up to 1 year) Short term (less than 1 week): 4°C. Avoid freeze-thaw cycles.

Images

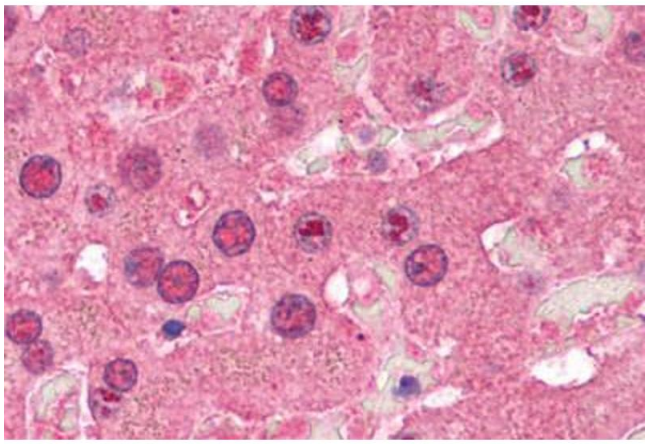
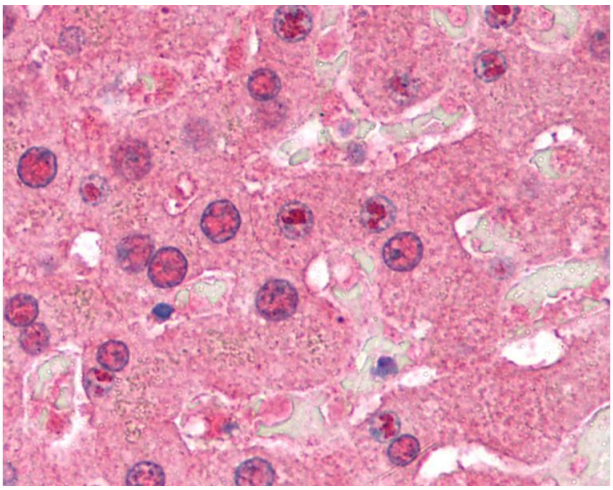


Image 1. Liver



Immunohistochemistry

Image 2. Anti-SIRT1 antibody IHC of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. This image was taken for the unconjugated form of this product. Other form ...