

Datasheet for ABIN214146
anti-SIRT7 antibody (AA 317-366)

2 Images

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Overview

Quantity:	50 µg
Target:	SIRT7
Binding Specificity:	AA 317-366
Reactivity:	Human, Rat, Mouse, Dog, Cow, Horse, Pig, Bat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIRT7 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 aa317-366 of human SIRT7 (Q9NRC8, NP_057622). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Monkey, Mouse, Rat, Dog, Bovine, Bat, Horse, Pig (100%), Gibbon, Galago, Marmoset, Opossum, Guinea pig (92%). Type of Immunogen: Synthetic peptide
Isotype:	IgG
Specificity:	Human SIRT7
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Mouse, Rat, Dog, Bovine, Horse, Pig (100%) Guinea pig (92%).

Product Details

Purification: Immunoaffinity purified

Target Details

Target: SIRT7

Alternative Name: SIRT7 / Sirtuin 7 ([SIRT7 Products](#))

Background: Name/Gene ID: SIRT7

Synonyms: SIRT7, SIR2L7, Sirtuin type 7, SIR2-like protein 7, Sir2-related protein type 7, Sirtuin 7

Gene ID: 51547

NCBI Accession: [NP_057622](#)

UniProt: [Q9NRC8](#)

Application Details

Application Notes: Approved: IHC, IHC-P (5 µg/mL), WB (0.2 - 1 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: Reconstitute with 50 µL sterile ddH2O.

Concentration: Lot specific

Buffer: Lyophilized from PBS with 2 % sucrose

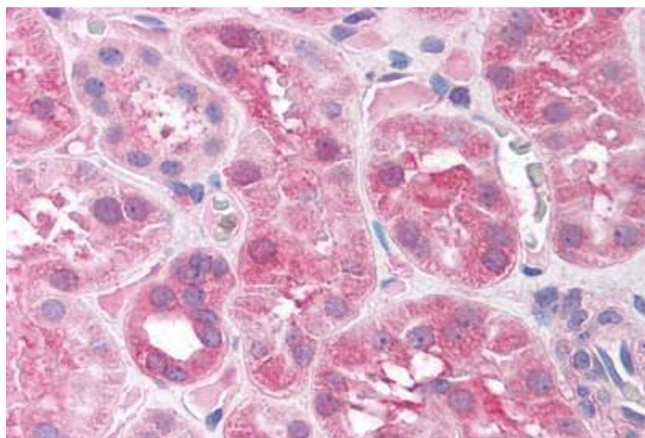
Handling Advice: Avoid repeated freezing and thawing.

Handling

Storage: 4 °C, -20 °C

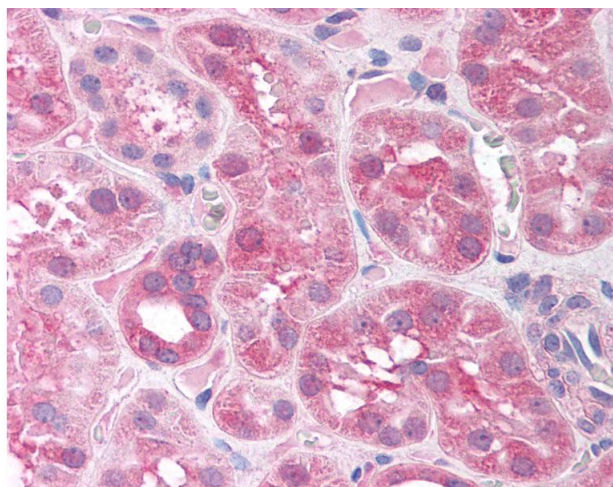
Storage Comment: Long term: -20°C, the use of 50% glycerol is recommended if storing aliquots in -20°C for long term use (up to 1 year)
Short term (less than 1 week): 4°C. Avoid freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. Human Kidney (formalin-fixed, paraffin-embedded) stained with SIRT7 antibody ABIN214146 at 5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry

Image 2. Anti-SIRT7 antibody IHC of human kidney. 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 for ...