

ARG63423 anti-SIRT4 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes SIRT4
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Pig
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	SIRT4
Species	Human
Immunogen	SRCGELLPLIDPC
Conjugation	Un-conjugated
Alternate Names	SIR2L4; NAD-dependent ADP-ribosyltransferase sirtuin-4; NAD-dependent protein deacetylase sirtuin-4; SIR2-like protein 4; EC 3.5.1.-; NAD-dependent protein lipoamidase sirtuin-4, mitochondrial; EC 2.4.2.-; Regulatory protein SIR2 homolog 4

Application Instructions

Application table	Application	Dilution
	IHC-P	2 - 3 µg/ml
	WB	1 - 3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 23409 Human](#)

[Swiss-port # Q9Y6E7 Human](#)

Background

This gene encodes a member of the sirtuin family of proteins, homologs to the 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. [provided by RefSeq, Jul 2008]

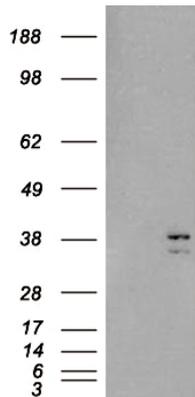
Research Area

Cell Biology and Cellular Response antibody; Gene Regulation antibody; Metabolism antibody; Signaling Transduction antibody

Calculated Mw

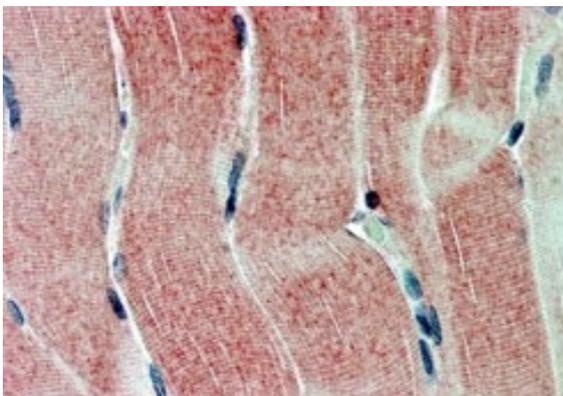
35 kDa

Images



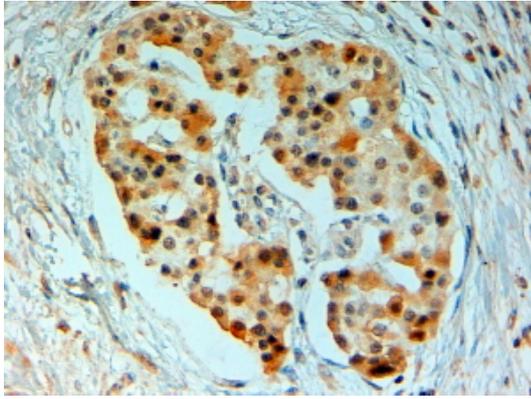
ARG63423 anti-SIRT4 antibody WB image

Western Blot: 1). Mock transfection; 2) SIRT4 (RC212226) expressing plasmid transfected HEK293 cell lysate stained with ARG63423 anti-SIRT4 antibody.



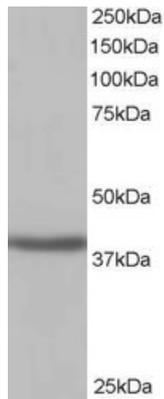
ARG63423 anti-SIRT4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human skeletal muscle tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63423 anti-SIRT4 antibody at 2.5 µg/ml dilution followed by AP-staining.



ARG63423 anti-SIRT4 antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Pancreas. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG63423 anti-SIRT4 antibody at 2 $\mu\text{g}/\text{ml}$ dilution followed by AP-staining.



ARG63423 anti-SIRT4 antibody WB image

Western blot: 35 μg of Human kidney lysate (in RIPA buffer) stained with ARG63423 anti-SIRT4 antibody at 1 $\mu\text{g}/\text{ml}$ dilution and incubated at RT for 1 hour.