

SIRT4 rabbit monoclonal antibody

Catalog # H00023409-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human SIRT4 peptide using ARM Technology.
Immunogen	A synthetic peptide of human SIRT4 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human SIRT4 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — SIRT4

Entrez GeneID	23409
GeneBank Accession#	SIRT4
Gene Name	SIRT4
Gene Alias	MGC130046, MGC130047, MGC57437, SIR2L4
Gene Description	sirtuin (silent mating type information regulation 2 homolog) 4 (S. cerevisiae)
Omim ID	604482
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	sir2-like 4 sirtuin 4 sirtuin type 4

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)