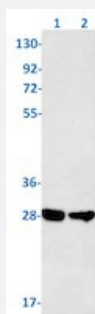


RecomAb™

SIRT3 recombinant monoclonal antibody, clone R03-1F5

Catalog # RAB01911 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane1: Jurkat and Lane2: Hela lysates with SIRT3 recombinant monoclonal antibody, clone R03-1F5 (Cat # RAB01911).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human SIRT3.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human SIRT3.
Theoretical MW (kDa)	Calculated MW: 44 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at -20 °C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane1: Jurkat and Lane2: Hela lysates with SIRT3 recombinant monoclonal antibody, clone R03-1F5 (Cat # RAB01911).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Gene Info — SIRT3

Entrez GeneID[23410](#)**Protein Accession#**[Q9NTG7](#)**Gene Name**

SIRT3

Gene Alias

SIR2L3

Gene Description

sirtuin (silent mating type information regulation 2 homolog) 3 (S. cerevisiae)

Omim ID[604481](#)**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 I of the sirtuin family. Two alternatively spliced transcript variants that encode different proteins have been described for this gene. [provided by RefSeq]

Other Designations

mitochondrial nicotinamide adenine dinucleotide-dependent deacetylase|silent mating type information regulation 2, S.cerevisiae, homolog 3|sir2-like 3|sirtuin 3|sirtuin type 3

Disease

- [Alzheimer disease](#)
- [Celiac Disease](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Neoplasm Recurrence](#)
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