

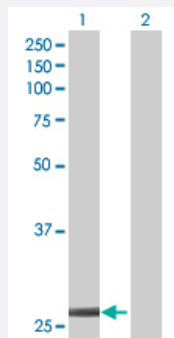
MaxPab®

SIRT3 MaxPab mouse polyclonal antibody (B02)

Catalog # H00023410-B02

Size 50 uL

Applications



Western Blot (Transfected lysate)

Western Blot analysis of SIRT3 expression in transfected 293T cell line ([H00023410-T02](#)) by SIRT3 MaxPab polyclonal antibody.

Lane 1: SIRT3 transfected lysate (28.27 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human SIRT3 protein.
Immunogen	SIRT3 (NP_001017524.1, 1 a.a. ~ 257 a.a) full-length human protein.
Sequence	MVGAGISTPSGIPDFRSPGSLYSNLQQYDLPYPEAIFELPFFFHNP KPFFTLAKELYPGNYKPNVT HYFLRLLDHDKGLLLRLYTQNI DGLERVSGIPASKLVEAHGTFASATCTVCQRPFPGEDIRADVMAD RVPRCPVCTGVVKPDVFFGEPLPQRFLHVVDFPMADLLLILGTSLEVEPFASLTEAVRSSVPRL LINRDLVGPLAWHPRSRDVAQLGDVVHGVESLVELLGWTEEMRDLVQRETGKLDGPKD
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (83); Rat (85)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Note For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

Applications

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[Protocol Download](#)

Gene Info — SIRT3

Entrez GeneID [23410](#)

GeneBank Accession# [NM_001017524.1](#)

Protein Accession# [NP_001017524.1](#)

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

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