

Product datasheet for **TA347045M**

SIRT1 Mouse Monoclonal Antibody [Clone ID: 2G10-F4-D9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2G10-F4-D9
Applications:	IP, WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	The immunogen for SIRT1 antibody: purified recombinant human SIRT1 protein fragments expressed in E.coli.
Formulation:	Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	120 kDa
Gene Name:	sirtuin 1
Database Link:	NP_001135970 Entrez Gene 23411 Human Q96EB6



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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 I of the sirtuin family. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2008]
Synonyms:	SIR2; SIR2alpha; SIR2L1
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors