SIRT6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SIRT6, Polyclonal Antibody
Full Product Name	SIRT6 Conjugated Antibody
Product Gene Name	anti-SIRT6 antibody
Product Synonym Names	Sirtuin 6; SIR2L6
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous level of total SIRT6 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	36,065 Da
Immunogen	Fusion protein corresponding to a region derived from 35-274 amino acids of human sirtuin 6
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-SIRT6 antibody	Most Applications
Application Notes for anti-SIRT6 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-SIRT6 antibody	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. Alternative splicing results in multiple transcript variants.
Other Notes	Small volumes of anti-SIRT6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SIRT6 purchase	MBS9442299 is an antibody targeting SIRT6. Also known as SIRT6 Conjugated Antibody. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SIRT6. It may not necessarily be applicable to this product.

NCBI GI #	20381385
NCBI GeneID	51548
NCBI Accession #	BC028220
UniProt Secondary Accession #	O75291; Q6IAF5; Q6PK99; Q8NCD2; Q9BSI5; Q9BWP3; Q9NRC7; Q9UQD1; B2RCD0
UniProt Related Accession #	Q8N6T7
NCBI Official Full Name	Homo sapiens sirtuin (silent mating type information regulation 2 homolog) 6 (S. cerevisiae), mRNA
NCBI Official Synonym Full Names	sirtuin 6
NCBI Official Symbol	SIRT6
NCBI Official Synonym Symbols	SIR2L6
Protein Family	NAD-dependent protein deacetylase
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-6
NCBI Summary for SIRT6	This gene encodes a member of the sirtuin family of NAD-dependent enzymes that are implicated in cellular stress resistance, genomic stability, aging and energy homeostasis. The encoded protein is localized to the nucleus, exhibits ADP-ribosyl transferase and histone deacetylase activities, and plays a role in DNA repair, maintenance of telomeric chromatin, inflammation, lipid and glucose metabolism. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2016]
Research Articles on SIRT6	**1.** demonstrate that PKM2 deacetylation is integral to SIRT6-mediated tumor suppression and inhibition of metastasis. Additionally, reduced SIRT6 levels correlate with elevated nuclear acetylated PKM2 levels in increasing grades of hepatocellular carcinoma
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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