

## Mouse Monoclonal Antibody to SIRT3

Catalogue Number	sAP-1257
Target Molecule	<b>Name: SIRT3</b> <b>Aliases: SIR2L3</b> <b>MW: 43.6kDa</b> <b>Entrez Gene ID: 23410</b>
Description	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.;
Immunogen	Purified recombinant fragment of human SIRT3 (AA: 155-290) expressed in E. Coli.
Reactive Species	Human;
Clone	MM6C12D1;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: ; ICC: ; FCM:
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.Biomed Res Int. 2014;2014:871263. ; 2.Med Oncol. 2014 Aug;31(8):103.;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**