

## Mouse Monoclonal Antibody to SIRT7

**Catalogue Number** sAP-1230

**Target Molecule** **Name:** SIRT7

**Aliases:** SIR2L7

**MW:** 44.9kDa

**Entrez Gene ID:** 51547

**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 IV of the sirtuin family.;

**Immunogen** Purified recombinant fragment of human SIRT7 (AA: 1-105) expressed in E. Coli.

**Reactive Species** Human;

**Clone** MM1E2G10;

**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 H2O, 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: 1 to 200 - 1 to 1000; ICC: ; FCM:

**Shipping** Regular FEDEX overnight shipment (ambient temperature)

**Reference** 1.Clin Cancer Res. 2014 Jul 1;20(13):3434-45. ; 2.Mol Cell Proteomics. 2014 Jan;13(1):73-83.;

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**