

## Product datasheet for **TA503292M**

### **SIRT5 Mouse Monoclonal Antibody [Clone ID: OTI 2E12]**

#### **Product data:**

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Clone Name:           | OTI 2E12  |
| Applications:         | FC, IF, WB  |
| Recommended Dilution: | WB 1:500, FLOW 1:100, IF: 1:100   |
| Reactivity:           | Human, Mouse, Rat   |
| Host:                 | Mouse   |
| Isotype:              | IgG1  |
| Clonality:            | Monoclonal  |
| Immunogen:            | Full length human recombinant protein of human SIRT5 (NP_036373) produced in HEK293T cell.  |
| Formulation:          | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.  |
| Concentration:        | 0.57 mg/ml  |
| Purification:         | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)   |
| Conjugation:          | Unconjugated  |
| Storage:              | Store at -20°C as received.   |
| Stability:            | Stable for 12 months from date of receipt.  |
| Gene Name:            | sirtuin 5   |
| Database Link:        | <a href="#">NP_036373</a><br><a href="#">Entrez Gene 68346 Mouse</a> <a href="#">Entrez Gene 306840 Rat</a> <a href="#">Entrez Gene 23408 Human</a><br><a href="#">Q9NXA8</a> |

[View online »](#)

**Background:**

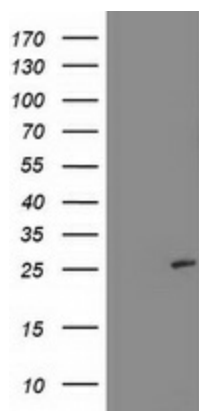
This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known 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 III of the sirtuin family. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2010]

**Synonyms:**

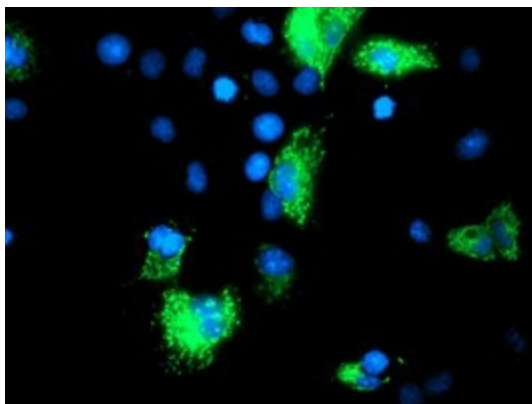
SIR2L5

**Protein Families:**

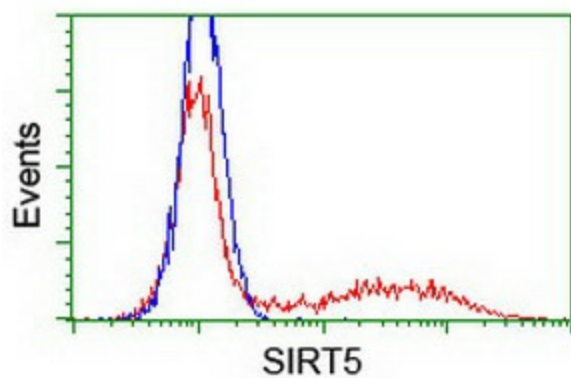
Druggable Genome, Transcription Factors

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SIRT5 ([RC200189], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SIRT5. Positive lysates [LY415885] (100ug) and [LC415885] (20ug) can be purchased separately from OriGene.



Anti-SIRT5 mouse monoclonal antibody ([TA503292]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SIRT5 ([RC200189]).



HEK293T cells transfected with either [RC200189] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-SIRT5 antibody ([TA503292]), and then analyzed by flow cytometry.