

Product datasheet for **TA503282M**

SIRT5 Mouse Monoclonal Antibody [Clone ID: OTI2A11]

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI2A11 |
| Applications: | FC, IF, IHC, WB |
| Recommended Dilution: | WB 1:500, IHC 1:150, IF 1:50~100, FLOW 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 HEK293 cell. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 0.41 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. |
| Predicted Protein Size: | 33.7 kDa |
| Gene Name: | sirtuin 5 |
| Database Link: | NP_036373 Entrez Gene 68346 Mouse Entrez Gene 306840 Rat Entrez Gene 23408 Human Q9NXA8 |

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Background:

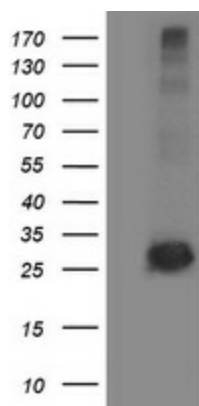
This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known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

Synonyms:

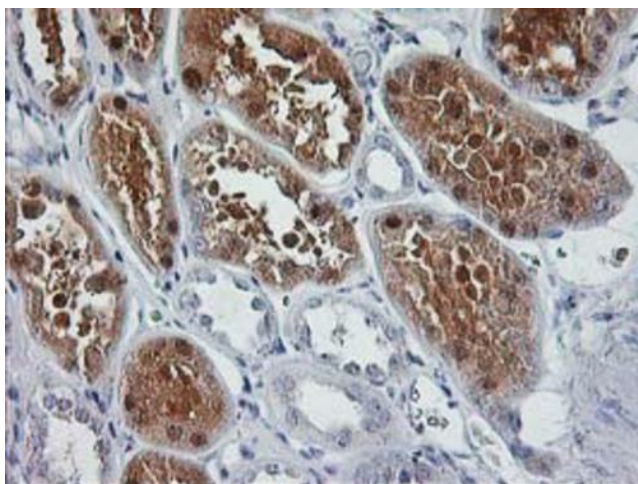
SIR2L5

Protein Families:

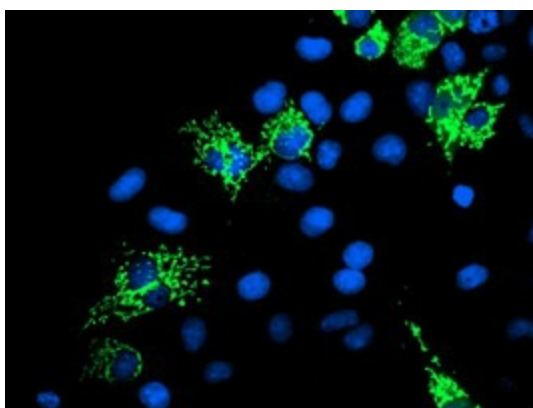
Druggable Genome, Transcription Factors

Product images:


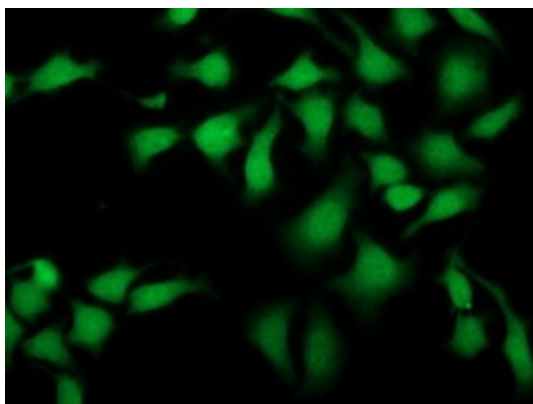
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SIRT5 ([RC200189], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SIRT5. Positive lysates [LY415885] (100ug) and [LC415885]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



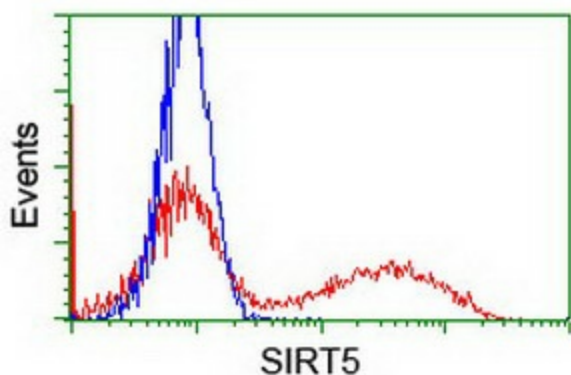
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-SIRT5 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-SIRT5 mouse monoclonal antibody ([TA503282]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SIRT5 ([RC200189]).



Immunofluorescent staining of HeLa cells using anti-SIRT5 mouse monoclonal antibody ([TA503282]).



HEK293T cells transfected with either [RC200189] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-SIRT5 antibody ([TA503282]), and then analyzed by flow cytometry.