

Product datasheet for TA503282

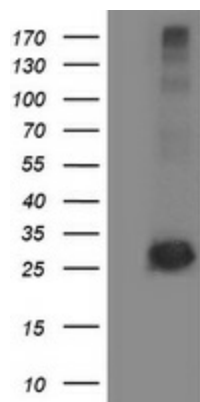
SIRT5 Mouse Monoclonal Antibody [Clone ID: OTI2A11]

Product data:

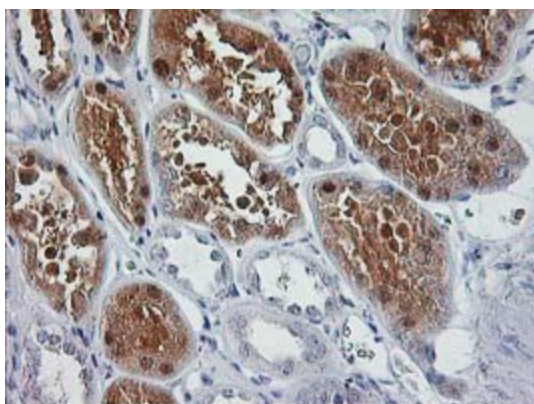
Product Type:	Primary Antibodies
Clone Name:	OTI2A11
Applications:	FC, IF, IHC, WB
Recommend Dilution:	WB 1:500, IHC 1:150, IF 1:50~100, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human SIRT5(NP_036373) produced in 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)
Predicted Protein Size:	33.7 kDa
Gene Name:	sirtuin 5
Database Link:	NP_036373 Entrez Gene 23408 Human
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



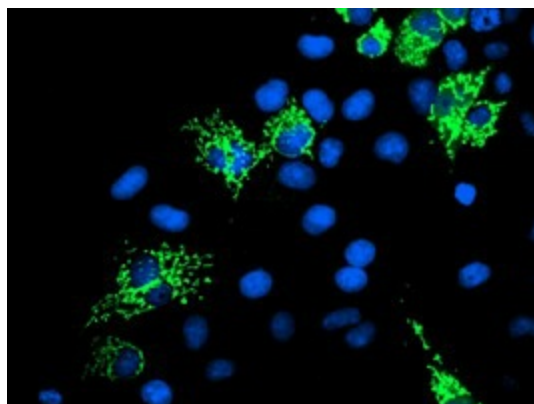
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Product images:

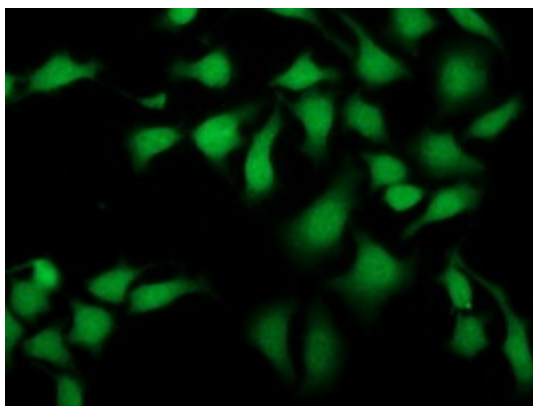
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SIRT5 ([RC200189], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SIRT5. Positive lysates [LY415885] (100ug) and [LC415885]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



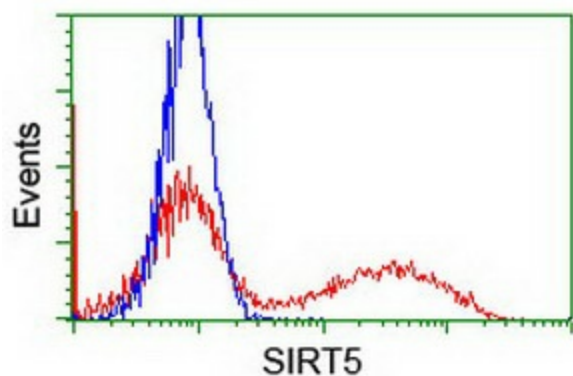
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-SIRT5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503282)



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.