

Product datasheet for **TA809834S**

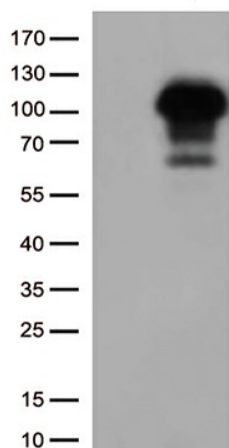
SIRT1 Mouse Monoclonal Antibody [Clone ID: OTI5B2]

Product data:

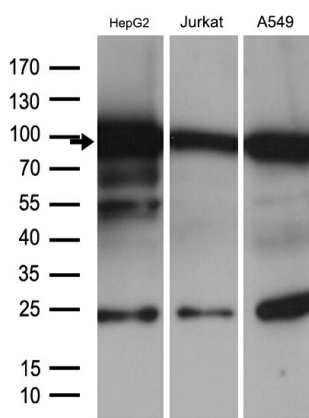
Product Type:	Primary Antibodies
Clone Name:	OTI5B2
Applications:	IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 552-676 of human SIRT1 (NP_036370) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 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:	81.5 kDa
Gene Name:	sirtuin 1
Database Link:	NP_036370 Entrez Gene 93759 Mouse Entrez Gene 309757 Rat Entrez Gene 23411 Human Q96EB6
Synonyms:	SIR2; SIR2alpha; SIR2L1
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors



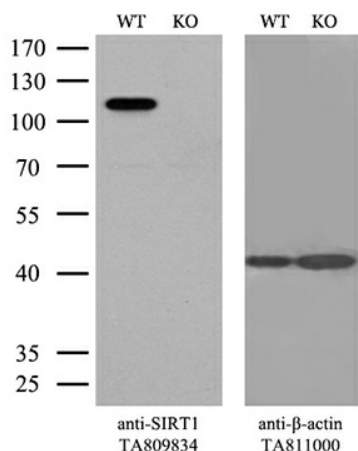
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Product images:


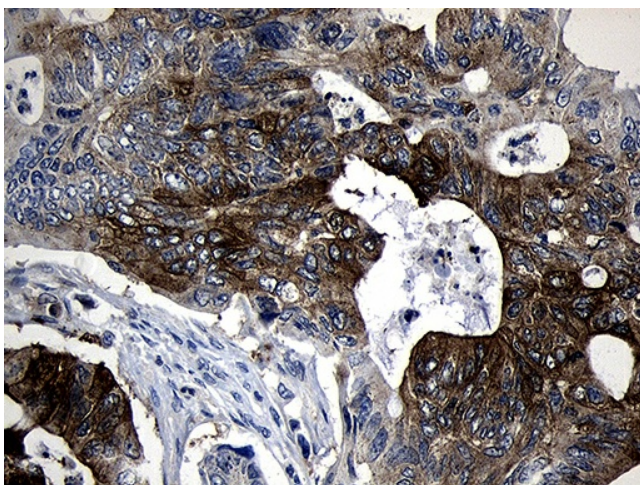
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY SIRT1 (Cat# [RC218134], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SIRT1 (Cat# [TA809834])(1:1000).



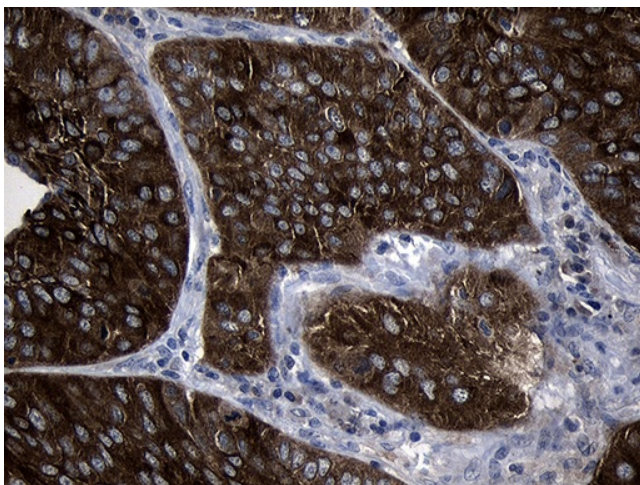
Western blot analysis of extracts (35ug) from 3 different cell lines by using anti-SIRT1 monoclonal antibody (1:500).



Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and SIRT1-Knockout HeLa cells (KO, Cat# [LC810336]) were separated by SDS-PAGE and immunoblotted with anti-SIRT1 monoclonal antibody [TA809834]. Then the blotted membrane was stripped and reprobed with anti- β -actin antibody ([TA811000]) as a loading control (1:500).



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-SIRT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA809834]) (1:2000)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-SIRT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA809834]) (1:2000)