

## Product datasheet for **TA809834M**

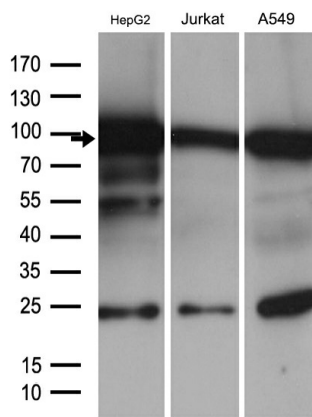
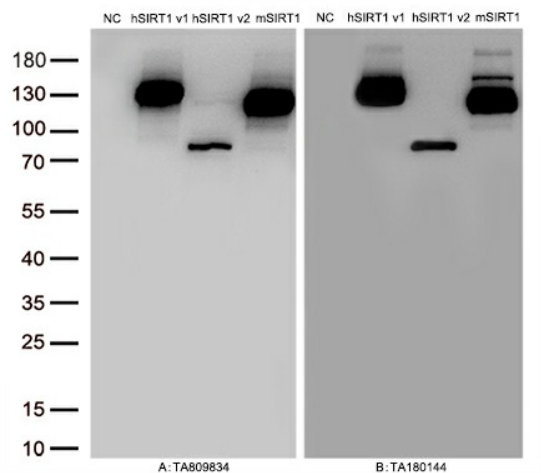
### SIRT1 Mouse Monoclonal Antibody [Clone ID: OTI5B2]

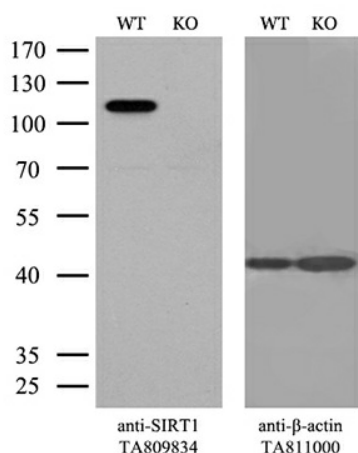
#### Product data:

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:	<a href="#">NP_036370</a> <a href="#">Entrez Gene 93759 Mouse</a> <a href="#">Entrez Gene 309757 Rat</a> <a href="#">Entrez Gene 23411 Human</a> <a href="#">Q96EB6</a>
Synonyms:	SIR2; SIR2alpha; SIR2L1
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors

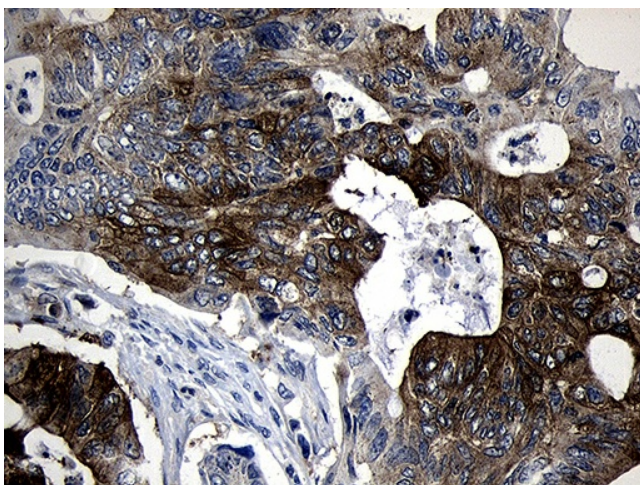

[View online »](#)

Product images:

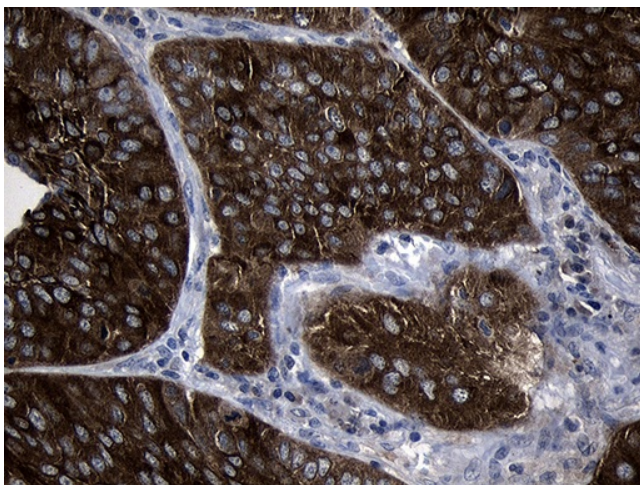




Equivalent amounts of cell lysates (10 ug per lane) of wild-type Hela cells (WT, Cat# LC810HELA) and SIRT1-Knockout Hela cells (KO, Cat# [LC810336]) were separated by SDS-PAGE and immunoblotted with anti-SIRT1 monoclonal antibody [TA809834]. Then the blotted membrane was stripped and reprobed with anti-β-actin 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 EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-SIRT1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.