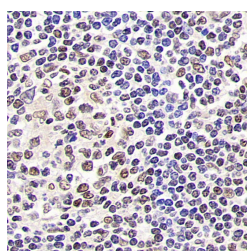


SIRT1 Polyclonal Antibody

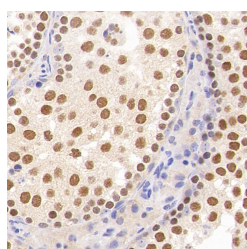
Catalog No.	E-AB-70071	Reactivity	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Host	Rabbit
Applications	IHC	Isotype	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

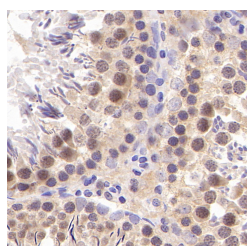
Images



Immunohistochemistry analysis of paraffin-embedded human tonsil using SIRT1 Polyclonal Antibody at dilution of 1:500.



Immunohistochemistry analysis of paraffin-embedded mouse testis using SIRT1 Polyclonal Antibody at dilution of 1:500.



Immunohistochemistry analysis of paraffin-embedded Rat testis using SIRT1 Polyclonal Antibody at dilution of 1:300.

Immunogen Information

Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse SIRT1
Swissprot	Q96EB6,Q923E4,Q96EB6,
Synonyms	SIR2L1,SIR2,hSIR2,SIR2alpha,Sirtuin 1

Product Information

Buffer	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4
Purify	Affinity purification
Dilution	IHC 1:200-1:800

Background

SIRT1,also named as SIR2L1,contains a deacetylase sirtuin-type domain and belongs to the sirtuin family. It regulates processes such as apoptosis and muscle differentiation by deacetylating key proteins. SIRT1 in particular initiates several signalling events relevant to cardioprotection,including: activation of endothelial nitric oxide synthase,insulin receptor signalling,and autophagy. In addition SIRT1 activation elicits resistance to oxidative stress via regulation of transcription factors and co-activators such as FOXO,Hif-2a,and NF-kB. SIRT1 regulates the p53-dependent DNA damage response pathway by binding to and deacetylating p53,specifically at Lysine 382.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.