

**Product Name: SIRT3 Rabbit Monoclonal Antibody****Catalog #: AMRe02604**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.3mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100
<b>Molecular Weight</b>	Calculated MW: 44 kDa; Observed MW: 28 kDa

**Antigen Information**

<b>Gene Name</b>	SIRT3
<b>Alternative Names</b>	SIR2L3
<b>Gene ID</b>	23410
<b>SwissProt ID</b>	Q9NTG7
<b>Immunogen</b>	A synthetic peptide of human SIRT3

**Background**

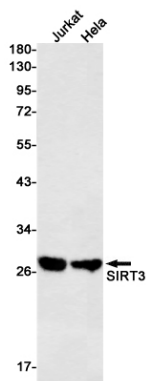
This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been

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 I of the sirtuin family. Two alternatively spliced transcript variants that encode different proteins have been described for this gene.

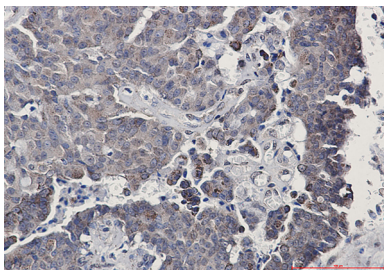
## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of SIRT3 in Jurkat, Hela lysates using SIRT3 antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using SIRT3 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.