

## SIRT1 Polyclonal Antibody

catalog number: **E-AB-32901**

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

### Description

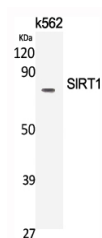
<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	Synthesized peptide derived from human SIRT1 around the non-phosphorylation site of Ser47.
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Buffer</b>	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol.

### Applications

### Recommended Dilution

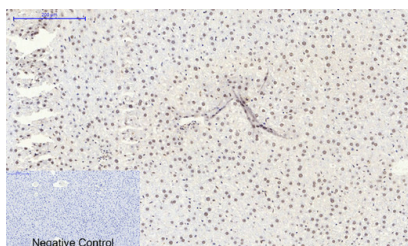
<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:100-1:300
<b>IF</b>	1:50-1:200

### Data

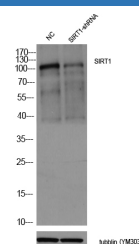


Western Blot analysis of K562 cells using SIRT1 Polyclonal Antibody at dilution of 1:2000.

**Observed-MV:81 kDa-120 kDa**  
**Calculated-MV:82 kDa**

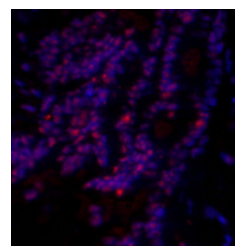


Immunohistochemistry of paraffin-embedded Rat liver tissue using SIRT1 Polyclonal Antibody at dilution of 1:200.



Western blot analysis of lysates from 1) Mouse Ovarian granulosa cell, 2) Mouse Ovarian granulosa cell knockdown by SIRT1-siRNA, primary antibody was diluted at 1:1000.

**Observed-MV:81 kDa-120 kDa**  
**Calculated-MV:82 kDa**



Immunofluorescence analysis of Rat lung tissue using SIRT1 Polyclonal Antibody at dilution of 1:200.

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### Background

### For Research Use Only

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 Human, Mouse and Non-mammalian ADP-ribosyltransferase activity. The protein encoded by this gene is included in class I of the sirtuin family. Alternative splicing results in multiple transcript variants.

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Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

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