

# SIRT3 Polyclonal Antibody

Catalog Number: E-AB-14343

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

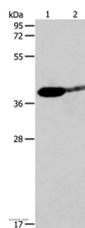
## Description

<b>Reactivity</b>	Human, Mouse
<b>Immunogen</b>	Recombinant protein of human SIRT3
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.05% sodium azide and 50% glycerol, PH7.4

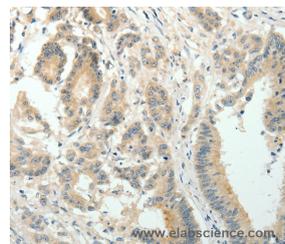
## Applications Recommended Dilution

<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:15-1:50

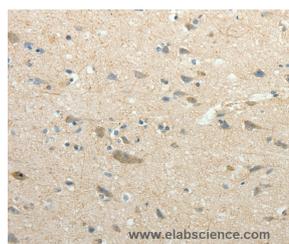
## Data



Western Blot analysis of Mouse brain and Human liver cancer tissue using SIRT3 Polyclonal Antibody at dilution of 1:500  
**Calculated Mw: 44kDa**



Immunohistochemistry of paraffin-embedded Human colon cancer using SIRT3 Polyclonal Antibody at dilution of 1:30



Immunohistochemistry of paraffin-embedded Human brain using SIRT3 Polyclonal Antibody at dilution of 1:30

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## 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

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Fax: 1-832-243-6017

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recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with Human, Mouse and 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.

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