

SIRT1 Polyclonal Antibody

catalog number: E-AB-32901

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

Description

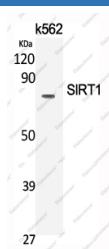
Reactivity	Human;Mouse;Rat
Immunogen	Synthesized peptide derived from human SIRT1 around the non-phosphorylation site of Ser47.
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol.

Applications

Recommended Dilution

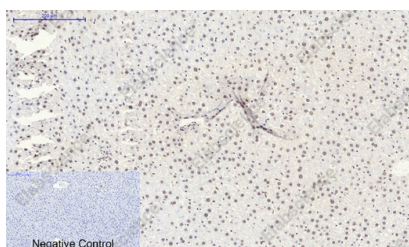
WB	1:500-1:2000
IHC	1:100-1:300
IF	1:50-1:200

Data

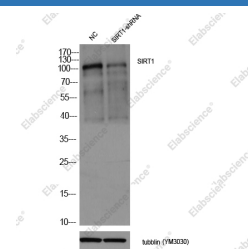


Western Blot analysis of K562 cells using SIRT1 Polyclonal Antibody at dilution of 1:2000.

Observed-MW:81 kDa-120 kDa
Calculated-MW:82 kDa

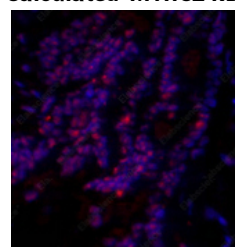


Immunohistochemistry of paraffin-embedded Rat liver tissue using SIRT1 Polyclonal Antibody at dilution of 1:200.



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-MW:81 kDa-120 kDa
Calculated-MW:82 kDa



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

Preparation & Storage

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

Background

For Research Use Only

Toll-free: 1-888-852-8623
Web: www.elabscience.com

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Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Rev. V1.8

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.