SIRT1 Polyclonal Antibody

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

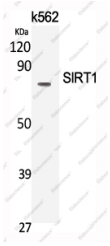
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

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
Conjugation	Unconjugated
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

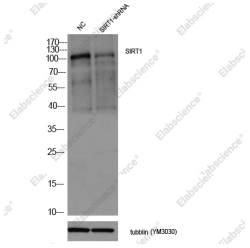
Data



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

Observed-MW:81 kDa-120 kDa

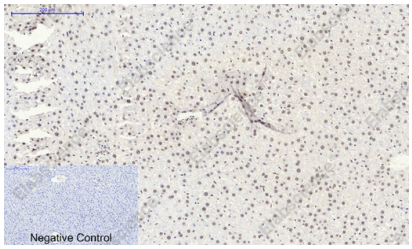
Calculated-MW:82 kDa



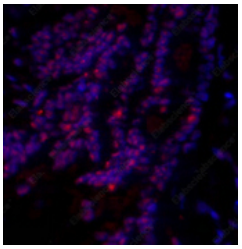
Western blot analysis of lysates from 1)Mouse Ovarian granulosa cell , 2)Mouse Ovarian granulosa cell knockdown by SIRT1-siRNA, primary antibody was diluted at 1:1000.

Observed-MW:81 kDa-120 kDa

Calculated-MW:82 kDa



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



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.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com

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 witHuman, Mouseono-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.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com