Leader in Biomolecular Solutions for Life Science

# [KO Validated] SIRT3 Rabbit mAb



Catalog No.: A20805

KO Validated Recombinant

4 Publications

# **Basic Information**

# **Observed MW**

28kDa

### **Calculated MW**

44kDa

# Category

SMab Recombinant Monoclonal Antibody

#### **Applications**

WB,IHC-P,IP,ELISA

### **Cross-Reactivity**

Human, Mouse, Rat

# CloneNo number

ARC51526

# **Background**

SIRT3 encodes a member of the sirtuin family of class III histone deacetylases, homologs to the yeast Sir2 protein. The encoded protein is found exclusively in mitochondria, where it can eliminate reactive oxygen species, inhibit apoptosis, and prevent the formation of cancer cells. SIRT3 has far-reaching effects on nuclear gene expression, cancer, cardiovascular disease, neuroprotection, aging, and metabolic control.

# **Recommended Dilutions**

1:500 - 1:1000 WB

IHC-P 1:50 - 1:200

0.5µg-4µg antibody for ΙP 200µg-400µg extracts of

whole cells

# **Immunogen Information**

**Gene ID Swiss Prot** 23410 O9NTG7

#### **Immunogen**

A synthetic peptide corresponding to a sequence within amino acids 300-399 of human SIRT3 (NP 036371.1).

# **Synonyms**

SIR2L3; T3

### **Contact**

• www.abclonal.com

# **Product Information**

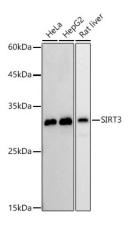
Source Isotype **Purification** Rabbit IgG Affinity purification

### Storage

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

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

# **Validation Data**



Western blot analysis of various lysates, using [KO Validated] SIRT3 Rabbit mAb (A20805) at 1:1000

dilution.

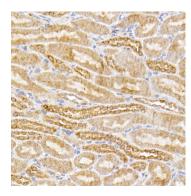
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins:  $25\mu g$  per lane.

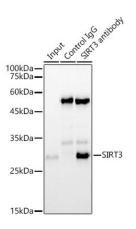
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



Immunohistochemistry analysis of SIRT3 in paraffin-embedded mouse kidney using [KO Validated] SIRT3 Rabbit mAb (A20805) at dilution of 1:100(40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunoprecipitation analysis of 300 $\rm ug$  extracts of Hela cells using 3 $\rm ug$  SIRT3 Rabbit mAb (A20805). Western blot was performed from the immunoprecipitate using SIRT3 Rabbit mAb (A20805) at a dilition of 1:1000.