

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-SIRT1



Numéro de catalogue: 13161-1-AP

Phare

270 Publications

## Informations de base

<b>Numéro de catalogue:</b> 13161-1-AP	<b>Numéro d'acquisition GenBank:</b> BC012499	<b>Méthode de purification:</b> Purification par affinité contre l'antigène
<b>Taille:</b> 150ul, Concentration: 500 µg/ml by Nanodrop;	<b>Identification du gène (NCBI):</b> 23411	<b>Dilutions recommandées:</b> WB 1:1000-1:6000 IHC 1:50-1:500 IF 1:50-1:500
<b>Hôte:</b> Lapin	<b>Nom complet:</b> sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae)	
<b>Isotype:</b> IgG	<b>MW calculé</b> 747 aa, 82 kDa	
<b>Immunogen Catalog Number:</b> AG3808	<b>MW observés:</b> 110-130 kDa, 80-85 kDa	

## Applications

### Applications testées:

IF, IHC, WB, ELISA

### Demandes citées:

CoIP, ELISA, IF, IHC, IP, WB

### Spécificité de l'espèce:

Humain

### Espèces citées:

bovin, Chèvre, Humain, poisson-zèbre, porc, Megalobrama Amblycephala

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (\*) À défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

### Contrôles positifs:

**WB:** cellules HEK-293, cellules C2C12, cellules HeLa, cellules MDA-MB-231

**IHC:** tissu de cancer du côlon humain, tissu de cancer du poumon humain

**IF:** cellules A431, cellules HeLa

## Informations générales

SIRT1, also named as SIR2L1, contains a deacetylase sirtuin-type domain and belongs to the sirtuin family. The post-translation modified SIRT1 is a 110-130 kDa protein, which contains one deacetylase sirtuin-type domain. The 75-80 kDa SirT1 fragment was detected to lack the carboxy-terminus (PMID:21305533). SirT1 exists a 57-61 kDa isoform. SIRT1 may be found in nucleolus, nuclear euchromatin, heterochromatin and inner membrane. It can shuttles between nucleus and cytoplasm. SIRT1 regulates processes such as apoptosis and muscle differentiation by deacetylating key proteins. SIRT1 in particular initiates several signaling events relevant to cardioprotection, including: activation of endothelial nitric oxide synthase, INS receptor signaling, and autophagy. In addition SIRT1 activation elicits resistance to oxidative stress via regulation of transcription factors and co-activators such as FOXO, Hif-2a, and NF-κB. SIRT1 regulates the p53-dependent DNA damage response pathway by binding to and deacetylating p53, specifically at Lysine 382. This antibody is a rabbit polyclonal antibody raised against residues near the N terminus of human SIRT1.

## Publications notables

Autrice	Pubmed ID	Journal	Application
BreAnna Cameron	34590699	Biol Open	WB
Xiaoyan Liu	31574948	Int J Mol Sci	WB
Xuebin Hu	30205735	Autophagy	WB

## Stockage

### Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

### Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

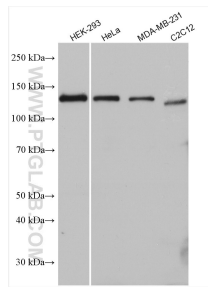
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

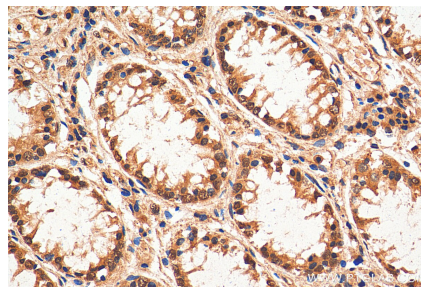
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

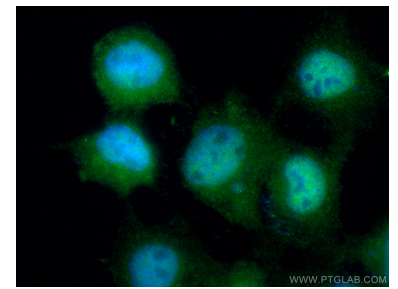
## Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 13161-1-AP (SIRT1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 13161-1-AP (SIRT1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using SIRT1 antibody (13161-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).