

Nur für Forschungszwecke

SIRT1 Polyklonaler Antikörper

Katalog-Nr.: 13161-1-AP

Vorgestelltes Produkt

256 Publikationen



Allgemeine Informationen

Katalog-Nr.: 13161-1-AP	GenBank-Zugangsnummer: BC012499	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 700 µg/ml von Nanodrop;	GeneID (NCBI): 23411	Empfohlene Verdünnungen: WB 1:1000-1:6000 IHC 1:50-1:500 IF 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae)	
Isotyp: IgG	Berechnete Masse: 747 aa, 82 kDa	
Immunogen Katalognummer: AG3808	Beobachtete Masse: 110-130 kDa, 80-85 kDa	

Anwendungen

Geprüfte Anwendungen: IF, IHC, WB, ELISA	Positivkontrollen: WB : HEK-293-Zellen, C2C12-Zellen, HeLa-Zellen, MDA-MB-231-Zellen
In Publikationen genannte Anwendungen: CoIP, ELISA, IF, IHC, IP, WB	IHC : Maushodengewebe, humanes Kolonkarzinomgewebe, humanes Lungenkarzinomgewebe
Getestete Reaktivität: Human, Maus	IF : A431-Zellen, HeLa-Zellen
Zitierte Arten: Hausschwein, Human, Rind, Zebrafisch, Ziege, Riesenscheibenbrasse (Megalobrama Amblycephala)	

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Hintergrundinformationen

SIRT1, also named as SIRT1L1, 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 shuttle 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.

Bemerkenswerte Veröffentlichungen

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

Lagerung

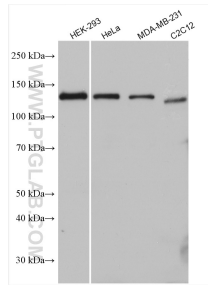
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

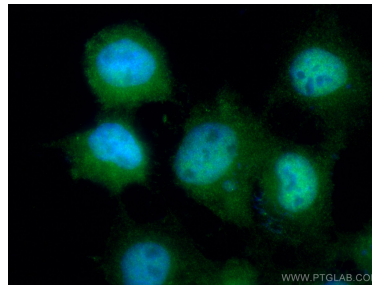
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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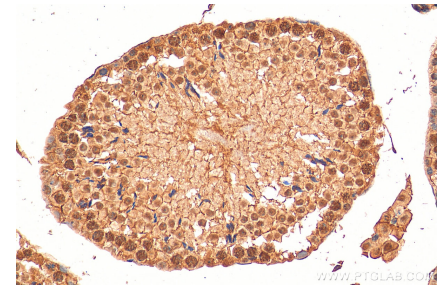
Ausgewählte Validierungsdaten



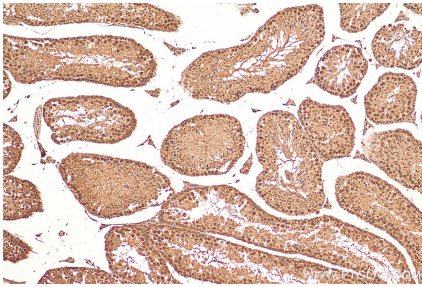
Various lysates were subjected to SDS PAGE followed by western blot with 13161-1-AP (SIRT1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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).



Immunohistochemical analysis of paraffin-embedded mouse testis 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).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 13161-1-AP (SIRT1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).