

Nur für Forschungszwecke

FOXO1 Polyklonaler Antikörper

Katalog-Nr.:18592-1-AP

Vorgestelltes Produkt

93 Publikationen



Allgemeine Informationen

Katalog-Nr.:
18592-1-AP

Größe:
150ul, Konzentration: 600 µg/ml von
Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG13296

GenBank-Zugangsnummer:
BC021981

GeneID (NCBI):
2308

Vollständiger Name:
forkhead box O1

Berechnete Masse:
655 aa, 70 kDa

Beobachtete Masse:
70-80 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:1000-1:8000
IP 0.5-4.0 µg für IP und 1:1000-1:4000
für WB
IF 1:200-1:800

Anwendungen

Geprüfte Anwendungen:
FC, IF, IP, WB, ELISA

In Publikationen genannte Anwendungen:
ChIP, IF, IHC, IP, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Hausschwein, Human, Maus, Ratte, Hu-Schaf

Positivkontrollen:

WB: DU 145-Zellen, HEK-293T-Zellen, HepG2-Zellen,
Maushirngewebe, Mausnierengewebe,
Rattenhirngewebe, SGC-7901-Zellen

IP: HepG2-Zellen,

IF: HeLa-Zellen,

Hintergrundinformationen

FOXO1, also named as FOXO1A, FKHR and FKH1, is a member of the FOXO subfamily of Forkhead transcription factors. FOXO1 is a transcription factor which acts as a regulator of cell responses to oxidative stress. FOXO1 interacts with LRPPRC and SIRT1. In the presence of KIRT1, FOXO1 mediates down-regulation of cyclin D1 and up-regulation of CDKN1B levels which are required for cell transition from proliferative growth to quiescence. FOXO1 contains three predicted protein kinase B phosphorylation sites (Thr-24, Ser-256, and Ser-319) that are conserved in other FOXO proteins. The t(2;13) and the variant t(1;13) translocations generate PAX3/FKHR and PAX7/FKHR fusion proteins respectively. The resulting protein is a transcriptional activator. Defects in FOXO1 are a cause of rhabdomyosarcoma type 2 (RMS2).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Xiaoyan Liu	31574948	Int J Mol Sci	WB
Duobin Zhang	34585441	J Leukoc Biol	WB
Linyi Shu	34581420	Int J Mol Med	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

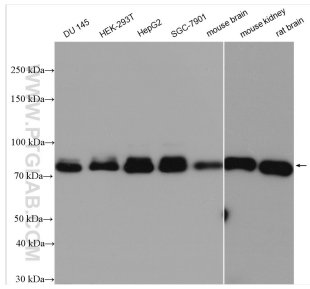
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

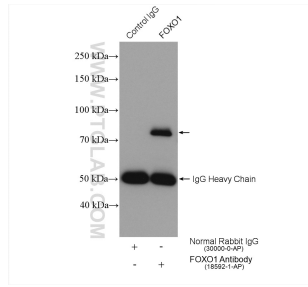
E: proteintech@ptglab.com
W: ptglab.com

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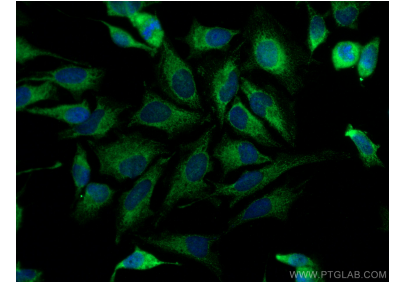
Ausgewählte Validierungsdaten



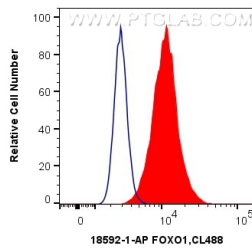
Various lysates were subjected to SDS PAGE followed by western blot with 18592-1-AP (FOXO1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



IP result of anti-FOXO1 (IP:18592-1-AP, 4ug; Detection:18592-1-AP 1:2000) with HepG2 cells lysate 960 ug.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using FOXO1 antibody (18592-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human FOXO1 (18592-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).