

Nur für Forschungszwecke

FOXO3A Monoklonaler Antikörper

Katalog-Nr.:66428-1-Ig

Vorgestelltes Produkt

28 Publikationen



Allgemeine Informationen

Katalog-Nr.:
66428-1-Ig

Größe:
150ul, Konzentration: 1000 µg/ml
durch die Bradford-Methode mit BSA
als Standard;

Wirt:
Maus

Isotyp:
IgG2a

Immunogen Katalognummer:
AG1289

GenBank-Zugangsnummer:
BC021224

GeneID (NCBI):
2309

Vollständiger Name:
forkhead box O3

Berechnete Masse:
673 aa, 71 kDa

Beobachtete Masse:
85-90 kDa

Reinigungsmethode:
Protein-A-Reinigung

CloneNo.:
1F12D11

Empfohlene Verdünnungen:
WB 1:2000-1:10000
IP 0.5-4.0 µg für IP und 1:500-1:2000
für WB
IHC 1:250-1:1000
IF 1:50-1:500

Anwendungen

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

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

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Human, Maus, Ratte, Makake

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

Positivkontrollen:

WB : MCF-7-Zellen, HEK-293-Zellen, HepG2-Zellen, Jurkat-Zellen, K-562-Zellen, Neuro-2a-Zellen, NIH/3T3-Zellen

IP : HEK-293-Zellen,

IHC : humanes Mammakarzinomgewebe, humanes Lungenkarzinomgewebe, humanes Magenkrebsgewebe, humanes Ovarialkarzinomgewebe

IF : HepG2-Zellen,

Hintergrundinformationen

In mammalian cells, FoxO factors act as potent transcriptional activators that upregulate the expression of programs of genes involved in stress resistance, cell cycle arrest, differentiation, apoptosis, autophagy, and metabolism. FOXO3 has a key role in the maintenance of adult neural and hematopoietic stem cells. It also associates with extreme longevity in humans and regulates the homeostasis of adult stem cell pools in mammals, which may contribute to longevity. Phosphorylation inhibits FOXO3 nuclear translocation that is essential for its regulation and function. The calculated molecular weight of FOXO3 is 71 kDa, but some experiments analysis using a FOXO3a specific antibody showed the expression of a 90 kDa fulllength FOXO3a protein (Full) and a 40 kDa processed FOXO3a product (Short). 90 kDa FOXO3a protein is a phosphorylated via activation of PI3K (phosphatidylinositol 3-kinase) and Akt after INS stimulation, and translocate from the nucleus to the cytoplasm. (PMID: 19427386)

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Jie Deng	34565300	Bioengineered	WB
Shen Zhang	32869942	J Cell Mol Med	WB
Hao Zhang	34803509	Int J Biol Sci	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.

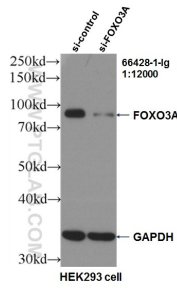
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

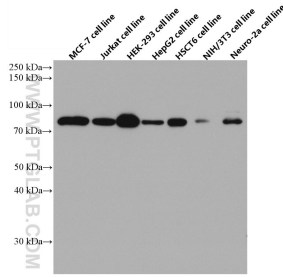
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

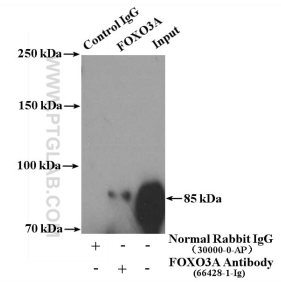
Ausgewählte Validierungsdaten



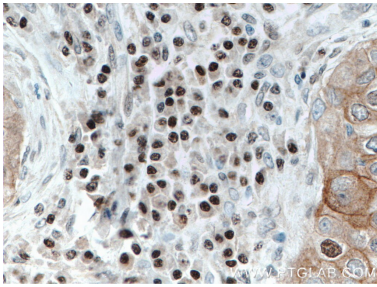
WB result of FOXO3A antibody (66428-1-Ig, 1:12,000) with si-Control and si-FOXO3A transfected HEK293 cells.



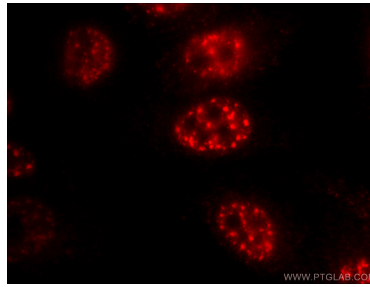
Various lysates were subjected to SDS PAGE followed by western blot with 66428-1-Ig (FOXO3A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-FOXO3A (IP:66428-1-Ig, 4ug; Detection:66428-1-Ig 1:1000) with HEK-293 cells lysate 2200 ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66428-1-Ig (FOXO3A antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 66428-1-Ig(FOXO3A antibody) at dilution of 1:50 and Alexa Fluor 594-conjugated AffiniPure Goat Anti-mouse IgG(H+L).