

Nur für Forschungszwecke

GADD34 Polyklonaler Antikörper

Katalog-Nr.: 10449-1-AP

Vorgestelltes Produkt

100 Publikationen



Allgemeine Informationen

Katalog-Nr.: 10449-1-AP	GenBank-Zugangsnummer: BC003067	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 700 µg/ml von Nanodrop;	GeneID (NCBI): 23645	Empfohlene Verdünnungen: WB 1:1000-1:6000 IHC 1:50-1:500 IF 1:20-1:200
Wirt: Kaninchen	Vollständiger Name: protein phosphatase 1, regulatory (inhibitor) subunit 15A	
Isotyp: IgG	Berechnete Masse: 73 kDa	
Immunogen Katalognummer: AG0578	Beobachtete Masse: 100 kDa	

Anwendungen

Geprüfte Anwendungen:

IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, IP, WB

Getestete Reaktivität:

Human, Maus

Zitierte Arten:

Affe, Hamster, Hausschwein, Human, Maus, Ratte

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

Positivkontrollen:

WB: mit MG132 behandelte NIH/3T3-Zellen, HepG2-Zellen, Jurkat-Zellen, K-562-Zellen, mit Tunicamycin behandelte HeLa-Zellen, PC-3-Zellen

IHC: humanes Pankreasgewebe, humanes Kolonkarzinomgewebe

IF: PC-3-Zellen,

Hintergrundinformationen

GADD34, also named PPP1R15A, belongs to the PPP1R15 family. GADD34 can be triggered as a direct target of activating transcription factor4 (ATF4) under ER stress, it plays a pivotal role in the recovery of cells from shut-down of translation induced by ER stress. It recruits the serine/threonine-protein phosphatase (PP1) to dephosphorylate the translation initiation factor eIF2alpha, thereby reversing the shut-off of protein synthesis initiated by stress-inducible kinases and facilitating recovery of cells from stress. GADD34 down-regulates the TGF-beta signaling pathway by promoting dephosphorylation of TGFβ1 via PP1. It may also promote apoptosis by inducing TP53 phosphorylation on 'Ser-15'. Starvation-induced expression of GADD34 reduced mTOR activity and induced autophagy in wild-type mice, but not in GADD34 KO mice. Molecular weight of GADD34 is 100 kDa confirmed in GADD34 KO mice, and Proteintech's GADD34 antibody 10449-1-AP primarily recognize the 100 kDa band.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Rebecca R Miles	34597669	J Biol Chem	WB
Gennaro Gambardella	32978159	Sci Adv	WB
Linhao Jiang	36212697	Front Cell Neurosci	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

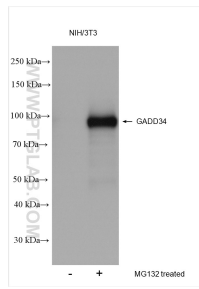
For technical support and original validation data for this product please contact:

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

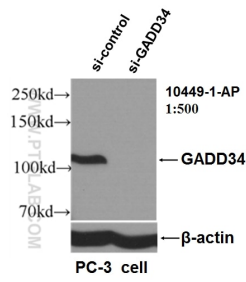
E: proteintech@ptglab.com
W: ptglab.com

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

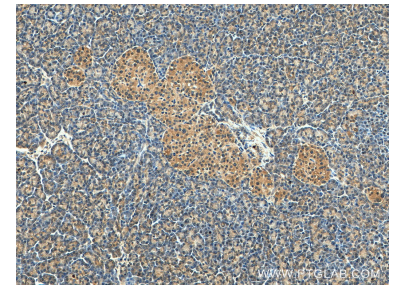
Ausgewählte Validierungsdaten



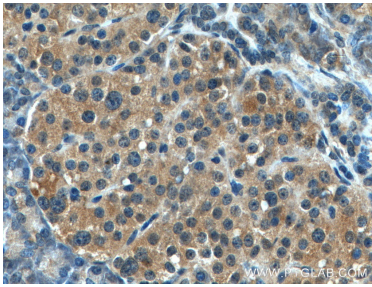
MG132 treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 10449-1-AP (GADD34 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



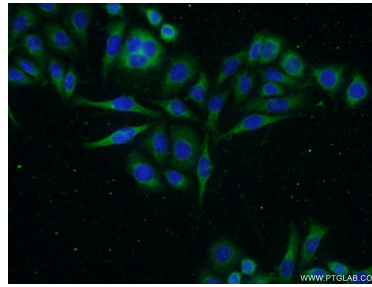
WB result of GADD34 antibody (10449-1-AP, 1:500) with si-Control and si-GADD34 transfected PC-3 cells.



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 10449-1-AP (GADD34 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 10449-1-AP (GADD34 antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of PC-3 cells using 10449-1-AP (GADD34 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).