

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-GADD34



Numéro de catalogue: 10449-1-AP

Phare

106 Publications

## Informations de base

<b>Numéro de catalogue:</b> 10449-1-AP	<b>Numéro d'acquisition GenBank:</b> BC003067	<b>Méthode de purification:</b> Purification par affinité contre l'antigène
<b>Taille:</b> 150ul , Concentration: 700 µg/ml by Nanodrop;	<b>Identification du gène (NCBI):</b> 23645	<b>Dilutions recommandées:</b> WB 1:1000-1:6000 IHC 1:50-1:500 IF 1:20-1:200
<b>Hôte:</b> Lapin	<b>Nom complet:</b> protein phosphatase 1, regulatory (inhibitor) subunit 15A	
<b>Isotype:</b> IgG	<b>MW calculé:</b> 73 kDa	
<b>Immunogen Catalog Number:</b> AG0578	<b>MW observés:</b> 100 kDa	

## Applications

### Applications testées:

IF, IHC, WB, ELISA

### Demandes citées:

IF, IHC, IP, WB

### Spécificité de l'espèce:

Humain, souris

### Espèces citées:

Humain, porc, rat, singe, souris, Hamster

### Contrôles positifs:

**WB :** cellules NIH/3T3 traitées au MG132, cellules HeLa traitées à la tunicamycine, cellules HepG2, cellules Jurkat, cellules K-562, cellules PC-3

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

**IF :** cellules PC-3,

**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.**

## Informations générales

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.

## Publications notables

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

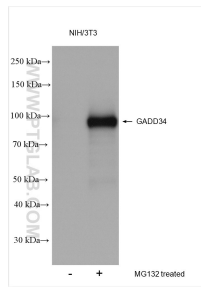
For technical support and original validation data for this product please contact:

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

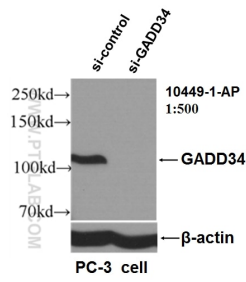
E: proteintech@ptglab.com  
W: ptglab.com

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

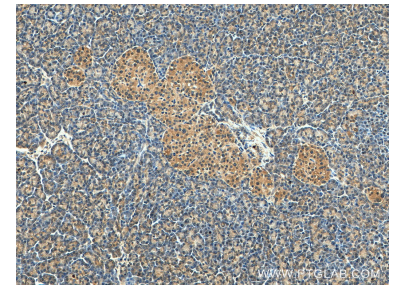
## Données de validation sélectionnées



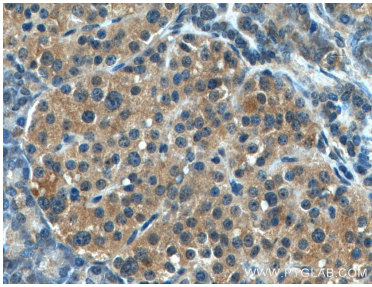
MG132 treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 10449-1-AP (GADD34 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



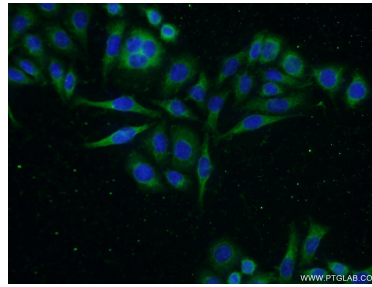
WB result of GADD34 antibody (10449-1-AP, 1:500) with si-Control and si-GADD34 transfected PC-3 cells.



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).