

À des fins de recherche uniquement

# Anticorps Recombinant de lapin anti-GADD34



Numéro de catalogue: 81250-1-RR

## Informations de base

|  |  |   |
|--|--|---|
| Numéro de catalogue:<br>81250-1-RR                         | Numéro d'acquisition GenBank:<br>BC003067                                    | Méthode de purification:<br>Purification par protéine A |
| Taille:<br>100ul, Concentration: 400 µg/ml by<br>Nanodrop; | Identification du gène (NCBI):<br>23645                                      | CloneNo.:<br>4K3  |
| Hôte:<br>Lapin   | Nom complet:<br>protein phosphatase 1, regulatory<br>(inhibitor) subunit 15A | Dilutions recommandées:<br>WB 1:2000-1:16000            |
| Isotype:<br>IgG  | MW calculé<br>73 kDa   |   |
| Immunogen Catalog Number:<br>AG0578                        | MW observés:<br>100 kDa  |   |

## Applications

Applications testées:  
WB, ELISA  
Spécificité de l'espèce:  
Humain, souris

Contrôles positifs:  
WB : MG132 treated HepG2 cells, cellules NIH/3T3  
traitées au MG132

## 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 81250-1-RR primarily recognizes the 100 kDa band.

## Stockage

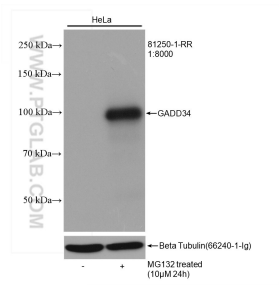
Stockage:  
Stocker à -20°C. Stable pendant un an après l'expédition.  
Tampon de stockage:  
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

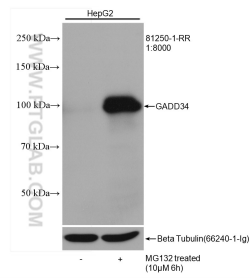
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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 HeLa cells were subjected to SDS PAGE followed by western blot with 81250-1-RR (GADD34 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



MG132 treated HepG2 cells were subjected to SDS PAGE followed by western blot with 81250-1-RR (GADD34 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.