À des fins de recherche uniquement

Anticorps Recombinant de lapin anti-REDD1

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:82650-1-RR

Informations de base

Numéro de catalogue:
82650-1-RR

Taille:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG0965

Numéro d'acquisition GenBank:
BC007714

Identification du gène (NCBI):
54541

Nom complet:
DNA-damage-inducible transcript 4

MW calculé
25 kDa

MW observés:
32-35 kDa

Méthode de purification:
Purification par protéine A

CloneNo.:
1L2

Dilutions recommandées:
WB 1:2000-1:14000

Applications

Applications testées:
WB, ELISA

Spécificité de l'espèce:
Humain, souris

Contrôles positifs:

WB : cellules A549, cellules HeLa traitées au chlorure de cobalt, cellules K-562

Informations générales

REDD1, also named as RTP801 and DDIT4, belongs to the DDIT4 family. REDD1 promotes neuronal cell death. It is a novel transcriptional target of p53 implicated ROS in the p53-dependent DNA damage response. REDD1 controlled cell growth under energy stress, as an essential regulator of TOR activity through the TSC1/2 complex. REDD-1 expression has also been linked to apoptosis, Aβ toxicity and the pathogenesis of ischemic diseases. As an HIF-1-responsive gene, REDD-1 exhibits strong hypoxia-dependent upregulation in ischemic cells of neuronal origin[PMID: 19996311]. In response to stress due to DNA damage and glucocorticoid treatment, REDD-1 is upregulated at the transcriptional level[PMID: 21733849]. REDD-1 negatively regulates the mammalian target of Rapamycin, a serine/threonine kinase often referred to as mTOR[PMID: 22951983]. It is crucial in the coupling of extra- and intracellular cues to mTOR regulation. The absence of REDD-1 is associated with the development of retinopathy, a major cause of blindness[PMID: 22304497]. REDD1 is a new host defense factor, and chemical activation of REDD1 expression represents a potent antiviral intervention strategy[PMID: 21909097]. The calculated molecular weight of REDD1 is 25 kDa. Because of multiple lysines in the proteins, REDD1 offen migrates around 35 kDa on Western blot[PMID: 19221489].

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
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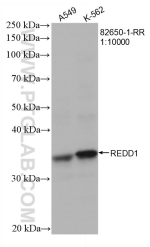
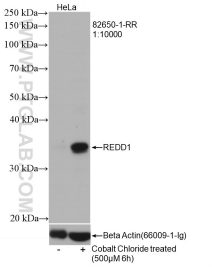
Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 82650-1-RR (REDD1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Cobalt Chloride treated HeLa cells were subjected to SDS PAGE followed by western blot with 82650-1-RR (REDD1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.