

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 67059-1-Ig	<b>GenBank-Zugangsnummer:</b> BC007714	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul, Konzentration: 1600 µg/ml von54541 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 54541	<b>CloneNo.:</b> 3A2C10
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> DNA-damage-inducible transcript 4	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:8000
<b>Isotyp:</b> IgG1	<b>Berechnete Masse:</b> 25 kDa	
<b>Immunogen Katalognummer:</b> AG0965	<b>Beobachtete Masse:</b> 32-35 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> WB, ELISA	<b>Positivkontrollen:</b> WB : PC-3-Zellen, A549-Zellen, HeLa-Zellen, HepG2-Zellen, K-562-Zellen, LNCaP-Zellen
<b>In Publikationen genannte Anwendungen:</b> WB	
<b>Getestete Reaktivität:</b> Human	
<b>Zitierte Arten:</b> Human	

## Hintergrundinformationen

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 often migrates around 35 kDa on Western blot [PMID: 19221489]. This antibody is specific to the REDD1 from siRNA experiment (PMID:24713927)

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Guodan Zeng	34102031	FEBS Open Bio	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**

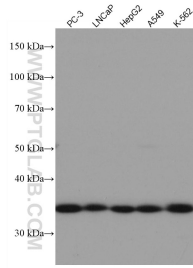
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## Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 67059-1-Ig (REDD1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.