For Research Use Only

REDD1 specific Polyclonal antibody Catalog Number: 10638-1-AP Featured Product 275 Publications

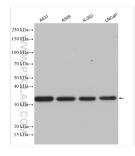
Featured Product 275 Publications



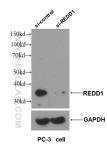
Basic Information	Catalog Number: 10638-1-AP	GenBank Accession Number:		Purification Method:	
	Concentration:	BC007714 GeneID (NCBI):		Antigen affinity purification Recommended Dilutions:	
	600 µg/ml	54541		WB 1:2000-1:12000	
	Source:	UNIPROT ID:		IP 0.5-4.0 ug for 1.0-3.0 mg of total	
	Rabbit	Q9NX09		protein lysate	
	Isotype:	Full Name:		IHC 1:50-1:500 IF/ICC 1:200-1:800	
	IgG DNA-damage-inducible transcript		nducible transcript 4		
	Immunogen Catalog Number: AG0965	Calculated MW 25 kDa	Calculated MW: 25 kDa		
		Observed MW: 32-35 kDa			
Applications	Tested Applications:		Positive Cont	trols:	
	WB, IHC, IF/ICC, IP, ELISA			WB: A431 cells, DU 145 cells, Cobalt Chloride treate	
	WB, IHC, IF, IP, CoIP, chIP cells, SH-			HeLa cells, LNCaP cells, PC-3 cells, A549 cells, K-562 cells, SH-SY5Y cells	
			IP : MCF-7 cel	lls,	
		Cited Species: human live		IHC : human lung cancer tissue, human heart tissue,	
				tissue	
			IF/ICC : LNCa	P cells,	
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
		d with citrate			
Background Information	REDD1, also named as RTP801 ar novel transcriptional target of p5 cell growth under energy stress, a expression has also been linked responsive gene, REDD-1 exhibit 19996311]. In response to stress transcriptional level[PMID: 2173] serine/threonine kinase often ref intracellular cues to mTOR regula major cause of blindness[PMID: 2 expression represents a potent an REDD1 is 25 kDa. Because of mul	nd DDIT4, belongs to 1 53 implicated ROS in as an essential regula to apoptosis, A β tox is strong hypoxia-dep due to DNA damage a 3849]. REDD-1 negati ferred to as mTOR[PN ation. The absence of 22304497]. REDD1 is a ntiviral intervention tiple lysines in the pi oody is a rabbit polycl	the p53-dependent DI ator of TOR activity the vicity and the pathoge bendent upregulation and glucocorticoid tre ively regulates the may MID: 22951983]. It is co f REDD-1 is associated a new host defense fa strategy[PMID: 21909 proteins, REDD1 offen r lonal antibody raised	DD1 promotes neuronal cell death. It is a NA damage response. REDD1 controlled prough the TSC1/2 complex. REDD-1 nesis of ischemic diseases. As an HIF-1- in ischemic cells of neuronal origin[PMI atment, REDD-1 is upregulated at the ammalian target of Rapamycin, a rucial in the coupling of extra- and d with the development of retinopathy, a ctor, and chemical activation of REDD1 1097]. The calculated molecular weight of migrates around 35 kDa on Western against full length human REDD1 ID:24713927)	
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

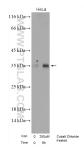
Selected Validation Data



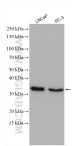
Various lysates were subjected to SDS PAGE followed by western blot with 10638-1-AP (REDD1 specific antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



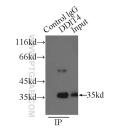
WB result of REDD1 antibody (10638-1-AP, 1:1000) with si-control and si-REDD1 transfected PC-3 cells.



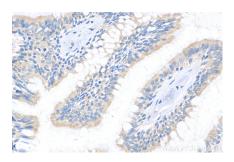
Non-treated Hela and Cobalt Chloride treated Hela cells were subjected to SDS PAGE followed by western blot with 10638-1-AP (REDD1 specific antibody) at dilution of 1:600 incubated at room temperature for 6 hours.



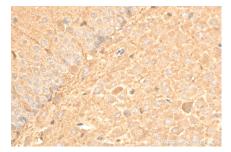
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IP result of anti-REDD1 specific (IP:10638-1-AP, 3ug; Detection:10638-1-AP 1:500) with MCF-7 cells lysate 2500ug.



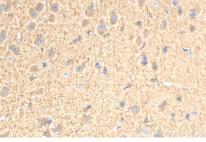
Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 10638-1-AP (REDD1 specific antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



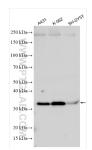
Immunohistochemical analysis of paraffin-

with Tris-EDTA buffer (pH 9.0).

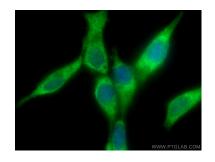
embedded mouse brain tissue slide using 10638-1-AP (REDD1 specific antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval



Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 10638-1-AP (REDD1 specific antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 10638-1-AP (REDD1 specific antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed LNCaP cells using REDD1 specific antibody (10638-1-AP) at dilution of 1:400 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L).