For Research Use Only

VCP Recombinant antibody

Catalog Number:82463-1-RR 1 Publications



Basic Information	Catalog Number: 82463-1-RR	GenBank Accession N BC007562	umber:	Purification Method: Protein A purification			
	Size: 100ul , Concentration: 1000 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG1002	GeneID (NCBI): 7415 UNIPROT ID: P55072		CloneNo.: 3G23 Recommended Dilutions: WB: 1:5000-1:50000			
					Full Name:		IHC: 1:50-1:500
					valosin-containing pr	otein	IF-P: 1:250-1:1000
		Calculated MW:		IF/ICC: 1:500-1:2000			
		89 kDa					
		Observed MW: 89 kDa					
		Applications			Positive Con	re Controls:	
			WB, IHC, IF/ICC, IF-P, ELISA			lls, A549 cells, MCF-7 cells, RAW 264.7	
Cited Applications: WB			cells, human brain tissue, mouse brain tissue, rat brair tissue				
Species Specificity:			IHC : rat small intestine tissue, IF-P : rat brain tissue, IF/ICC : HeLa cells,				
human, mouse, rat							
Cited Species: human							
Note-IHC: suggested antigen ri TE buffer pH 9.0; (*) Alternativ retrieval may be performed w buffer pH 6.0	vely, antigen						
Packground Information	VCP(Valosin-containing protein), also ATPase family. VCP was first identific		ots to clone a p	-ATPase p97 subunit, belongs to the AAA			
Background Information	inclusion body myopathy with early-	a peptide hormone pre onset Paget disease an out frontotemporal dem	cursor(PMID:1) d frontotempo nentia (ALS14).	cytosolic protein, termed VCP, which 382975). Defects in VCP are the cause of ral dementia (IBMPFD) and amyotrophic VCP has a calculated molecular weight			
	showed none of the characteristics of inclusion body myopathy with early-o lateral sclerosis type 14 with or witho of 89 kDa and an apparent molecular	a peptide hormone pre onset Paget disease an out frontotemporal den weight of 90-100 kDa (cursor(PMID:1) d frontotempo nentia (ALS14). PMID: 157321	cytosolic protein, termed VCP, which 582975). Defects in VCP are the cause of ral dementia (IBMPFD) and amyotrophic VCP has a calculated molecular weight 17, 1382975).			
Notable Publications	showed none of the characteristics of inclusion body myopathy with early- lateral sclerosis type 14 with or witho of 89 kDa and an apparent molecular Author Pub	a peptide hormone pre onset Paget disease an out frontotemporal den weight of 90-100 kDa med ID Journ	ecursor(PMID:1: d frontotempo nentia (ALS14). PMID: 157321 al	cytosolic protein, termed VCP, which 582975). Defects in VCP are the cause of ral dementia (IBMPFD) and amyotrophic VCP has a calculated molecular weight 17, 1382975). Application			
	showed none of the characteristics of inclusion body myopathy with early- lateral sclerosis type 14 with or witho of 89 kDa and an apparent molecular Author Pub	a peptide hormone pre onset Paget disease an out frontotemporal den weight of 90-100 kDa med ID Journ	cursor(PMID:1) d frontotempo nentia (ALS14). PMID: 157321	cytosolic protein, termed VCP, which 582975). Defects in VCP are the cause of ral dementia (IBMPFD) and amyotrophic VCP has a calculated molecular weight 17, 1382975).			
Notable Publications	showed none of the characteristics of inclusion body myopathy with early- lateral sclerosis type 14 with or witho of 89 kDa and an apparent molecular Author Pub	a peptide hormone pre onset Paget disease an out frontotemporal den weight of 90-100 kDa (med ID Journ 12358 J Med er shipment.	ecursor(PMID:1: d frontotempo nentia (ALS14). PMID: 157321 al	cytosolic protein, termed VCP, which 582975). Defects in VCP are the cause of ral dementia (IBMPFD) and amyotrophic VCP has a calculated molecular weight 17, 1382975). Application			
	showed none of the characteristics of inclusion body myopathy with early-o lateral sclerosis type 14 with or witho of 89 kDa and an apparent molecular Author Pub Xian-Jia Li 400 Storage: Store at -20°C. Stable for one year after Storage Buffer:	a peptide hormone pre onset Paget disease an out frontotemporal den weight of 90-100 kDa (med ID Journ 12358 J Med er shipment. % glycerol, pH7.3	ecursor(PMID:1: d frontotempo nentia (ALS14). PMID: 157321 al	cytosolic protein, termed VCP, which 582975). Defects in VCP are the cause of ral dementia (IBMPFD) and amyotrophic VCP has a calculated molecular weight 17, 1382975).			

For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

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 82463-1-RR (VCP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded rat small intestine tissue slide using 82463-1-RR (VCP antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat brain tissue using VCP antibody (82463-1-RR, Clone: 3G23) at dilution of 1:500 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-VCP (IP:82463-1-RR, 4ug; Detection:82463-1-RR 1:2000) with HeLa cells

lysate 1280 ug.

Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using VCP antibody (82463-1-RR, Clone: 3G23) at dilution of 1:1000 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).



Biolayer interferometry (BLL) kinetic assays of 82463-1-RR against Human VCP were performed. The affinity constant is 0.997 nM.