## For Research Use Only

## VCP Monoclonal antibody

Catalog Number:60316-1-lg Featured Product



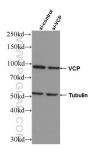


Basic Information	Catalog Number: 60316-1-lg	GenBank Accessio BC007562	n Number:	Purification Method: Protein A purification	
	Size: 1000 ug/ml	GenelD (NCBI): 7415		CloneNo.: 2A4B10	
	Source:UNIPROT ID:MouseP55072Isotype:Full Name:IgG1valosin-containing protein			Recommended Dilutions: WB 1:500-1:2000	
			g protein	IHC 1:500-1:2000 IF/ICC 1:400-1:1600	
	Immunogen Catalog Number: AG1002	Calculated MW: 89 kDa Observed MW: 89 kDa			
Applications	Tested Applications: Positive Controls:			ontrols:	
	WB, IHC, IF/ICC, FC (Intra), ELISA Cited Applications:			WB : RAW 264.7 cells, WT and VCP KO U2OS cells, SH SY5Y cells, HeLa cells	
	WB, IF, ChIP Species Specificity: human, mouse Cited Species:		tissue, hun cancer tiss	IHC : human colon cancer tissue, human lung cancer tissue, human ovary tumor tissue, human pancreas cancer tissue, human stomach cancer tissue, mouse brain tissue, mouse colon tissue	
	human				
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
Background Information	buffer pH 6.0 VCP(Valosin-containing protein), ATPase family. VCP was first iden was found that the cloned cDNA e showed none of the characteristic inclusion body myopathy with ea	ntified as a result of atte encoded a ubiquitously is of a peptide hormone rly-onset Paget disease vithout frontotemporal of	empts to clone a expressed 90 kE precursor(PMID e and frontotemp dementia (ALS1)	2+-ATPase p97 subunit, belongs to the AA putative peptide hormone called valosir la cytosolic protein, termed VCP, which :1382975). Defects in VCP are the cause o boral dementia (IBMPFD) and amyotrophi 4). VCP has a calculated molecular weigh 2117, 1382975).	
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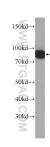
For technical support and original validation data for this product please contact: E: Proteintech-CN@ptglab.com T: 4006900926 W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

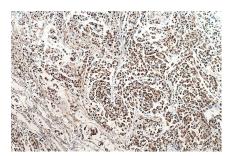
## Selected Validation Data



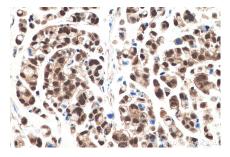
WB result of VCP antibody (60316-1-lg; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-VCP transfected HeLa cells.



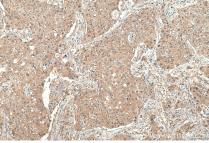
RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 60316-1-1g (VCP Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



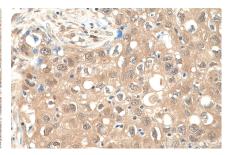
Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 60316-1-1g (VCP antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



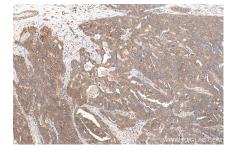
Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 60316-1-1g (VCP antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



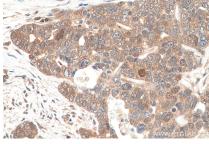
Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 60316-1-1g (VCP antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



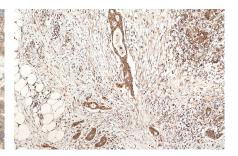
Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 60316-1-Ig (VCP antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



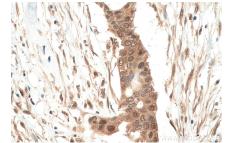
Immunohistochemical analysis of paraffinembedded human ovary tumor tissue slide using 60316-1-Ig (VCP antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

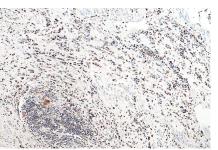


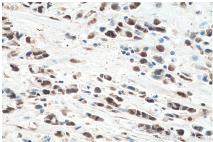
Immunohistochemical analysis of paraffinembedded human ovary tumor tissue slide using 60316-1-Ig (VCP antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human pancreas cancer tissue slide using 60316-1-Ig (VCP antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



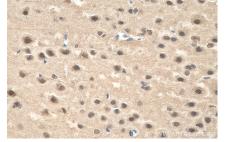




Immunohistochemical analysis of paraffinembedded human pancreas cancer tissue slide using 60316-1-1g (VCP antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). Immunohistochemical analysis of paraffinembedded human stomach cancer tissue slide using 60316-1-1g (VCP antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). Immunohistochemical analysis of paraffinembedded human stomach cancer tissue slide using 60316-1-1g (VCP antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



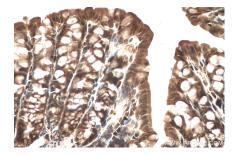
Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 60316-1-Ig (VCP antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



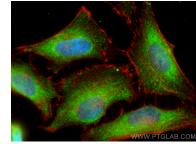
Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 60316-1-Ig (VCP antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



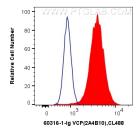
Immunohistochemical analysis of paraffinembedded mouse colon tissue slide using 60316-1-Ig (VCP antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded mouse colon tissue slide using 60316-1-Ig (VCP antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using VCP antibody (60316-1-Ig, Clone: 2A4B10) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



1X10^6 HL-60 cells were intracellularly stained with 0.4 ug Anti-Human VCP (60316-1-lg, Clone:2A4B10) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgC(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).