

À des fins de recherche uniquement

Anticorps Monoclonal anti-VCP

Numéro de catalogue: 60316-1-Ig

Phare

4 Publications



Informations de base

Numéro de catalogue: 60316-1-Ig	Numéro d'acquisition GenBank: BC007562	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 800 µg/ml by Nanodrop and 667 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 7415	CloneNo.: 2A4B10
Hôte: Mouse	Nom complet: valosin-containing protein	Dilutions recommandées: WB 1:500-1:2000 IHC 1:20-1:200 IF 1:20-1:200
Isotype: IgG1	MW calculé: 89 kDa	
Immunogen Catalog Number: AG1002	MW observés: 89 kDa	

Applications

Applications testées:
FC, IF, IHC, WB, ELISA

Demandes citées:
ChIP, IF, WB

Spécificité de l'espèce:
Humain, souris

Espèces citées:
Humain

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules RAW 264.7, cellules HeLa, cellules SH-SY5Y

IHC : tissu de gliome humain,

IF : cellules RAW 264.7, cellules HeLa, cellules SH-SY5Y

Informations générales

VCP (Valosin-containing protein), also known as TER ATPase and 15S Mg²⁺-ATPase p97 subunit, belongs to the AAA ATPase family. VCP was first identified as a result of attempts to clone a putative peptide hormone called valosin. It was found that the cloned cDNA encoded a ubiquitously expressed 90 kDa cytosolic protein, termed VCP, which showed none of the characteristics of a peptide hormone precursor (PMID:1382975). Defects in VCP are the cause of inclusion body myopathy with early-onset Paget disease and frontotemporal dementia (IBMPFD) and amyotrophic lateral sclerosis type 14 with or without frontotemporal dementia (ALS14). VCP has a calculated molecular weight of 89 kDa and an apparent molecular weight of 90-100 kDa (PMID: 15732117, 1382975).

Publications notables

Autrice	Pubmed ID	Journal	Application
Janja Božič	34534264	Brain	WB,IF
Xiao-Jing Li	33495516	Acta Pharmacol Sin	WB
Fengli Wang	37223481	Research (Wash D C)	WB,IF

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.

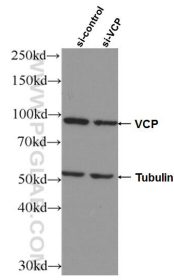
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

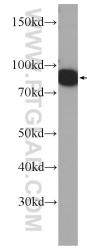
E: proteintech@ptglab.com
W: ptglab.com

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

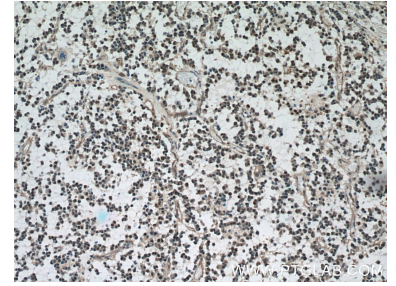
Données de validation sélectionnées



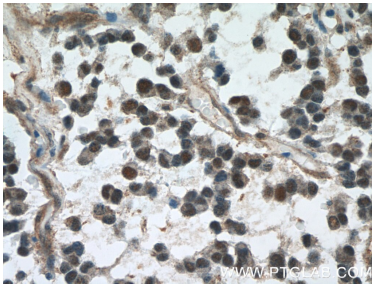
WB result of VCP antibody (60316-1-Ig; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-VCP transfected HeLa cells.



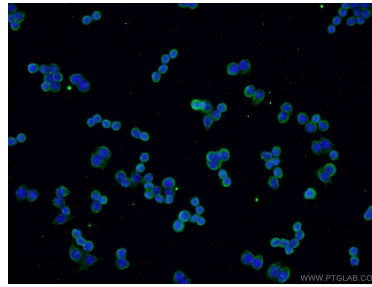
RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 60316-1-Ig (VCP Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



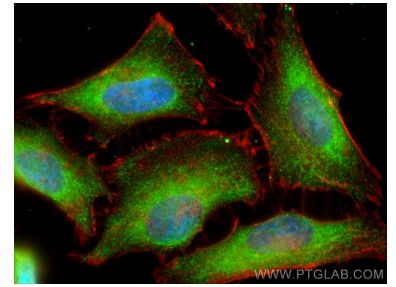
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 60316-1-Ig (VCP Antibody) at dilution of 1:50 (under 10x lens).



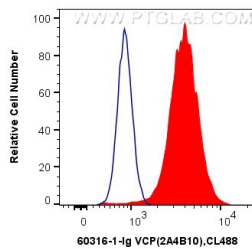
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 60316-1-Ig (VCP Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of RAW 264.7 cells using 60316-1-Ig (VCP antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



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).



1X10⁶ HL-60 cells were intracellularly stained with 0.4 ug Anti-Human VCP (60316-1-Ig, Clone:2A4B10) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(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).