Nur für Forschungszwecke

VCP Monoklonaler Antikörper

Katalog-Nr.:60316-1-Ig Vorgestelltes Produkt 3 Publikationen

proteintech®
Antibodies | ELISA kits | Proteins
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Allgemeine Informationen

Katalog-Nr.:
60316-1-Ig

Größe:
150ul , Konzentration: 800 μg/ml von Nanodrop und 667 μg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Maus

Isotyp:
IgG1

Immunogen Katalognummer:
AG1002

GenBank-Zugangsnummer:
BC007562

GeneID (NCBI):
7415

Vollständiger Name:
valosin-containing protein

Berechneté Masse:
89 kDa

Beobachteté Masse:
89 kDa

Reinigungsmethode:
Protein-G-Reinigung

CloneNo.:
2A4B10

Empfohlene Verdünnungen:
WB 1:500-1:2000
IHC 1:20-1:200
IF 1:20-1:200

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:
ChIP, IF, WB

Getestete Reaktivität:
Human, Maus

Zitierte Arten:
Human

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

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

IHC : humanes Gliomgewebe,

IF : RAW 264.7-Zellen, SH-SY5Y-Zellen

Hintergrundinformationen

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).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Janja Božič	34534264	Brain	WB,IF
Xiao-Jing Li	33495516	Acta Pharmacol Sin	WB
Luciana L Almada	36842643	Biochim Biophys Acta Gene Regul Mech	WB,ChIP

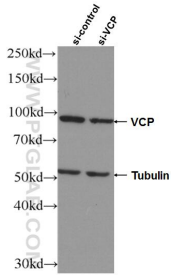
Lagerung

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

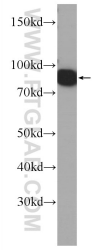
*** 20ul-Größen enthalten 0.1% BSA

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

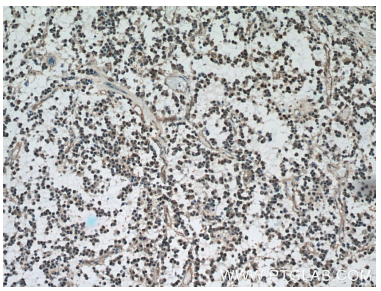
Ausgewählte Validierungsdaten



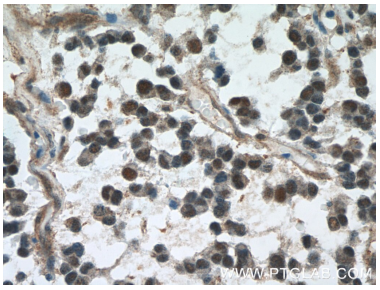
WB result of VCP antibody (60316-1-Ig; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-VCP transfected HeLa cells.



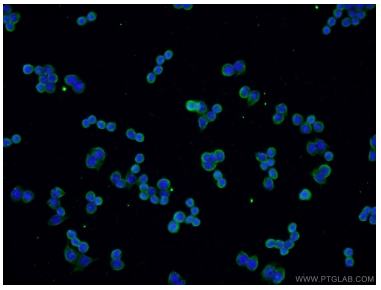
RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 60316-1-Ig (VCP Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



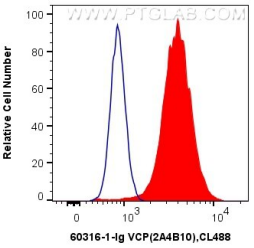
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 60316-1-Ig (VCP Antibody) at dilution of 1:50 (under 10x lens).



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).



1X10^6 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).