For Research Use Only

CoraLite®594-conjugated VCP Monoclonal antibody

Catalog Number:CL594-60316 Featured Product

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL594-60316

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG1002

GenBank Accession Number:
BC007562

GeneID (NCBI):
7415

UNIPROT ID:
P55072

Full Name:
valosin-containing protein

Calculated MW:
89 kDa

Observed MW:
89 kDa

Purification Method:
Protein G purification

CloneNo.:
2A4B10

Recommended Dilutions:
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
IF/ICC

Species Specificity:
human, mouse

Positive Controls:

IF/ICC : HeLa cells,

Background Information

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).

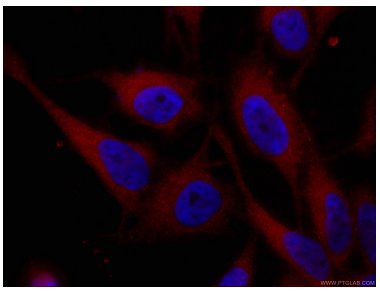
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

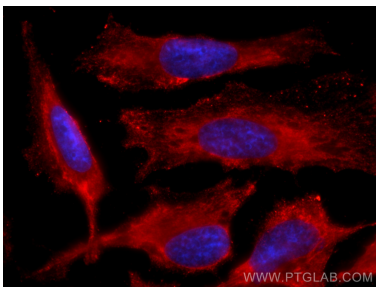
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CL594-60316 (VCP antibody) at dilution of 1:100.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite®594 VCP antibody (CL594-60316, Clone: 2A4B10) at dilution of 1:200.