

VCP Polyclonal Antibody

Catalog number: 10736-1-AP

Size: 40 µg/150 µl

Source: Rabbit

Isotype: IgG

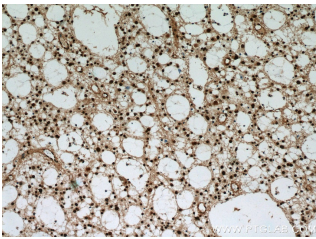
Synonyms:

VCP; 15S Mg(2+) ATPase p97

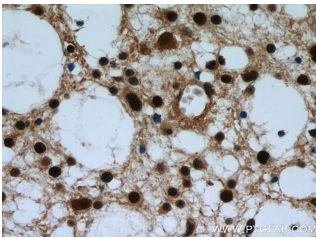
subunit, IBMPFD, p97, TER

ATPase, TERA, valosin

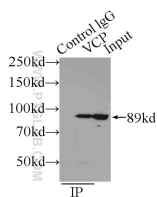
containing protein, VCP



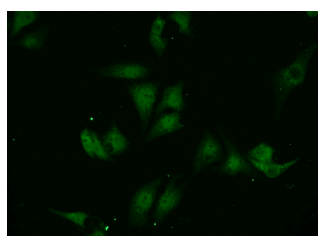
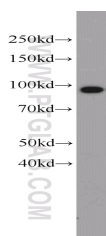
Immunohistochemical of paraffin-embedded human gliomas using 10736-1-AP (VCP antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human gliomas using 10736-1-AP (VCP antibody) at dilution of 1:50 (under 40x lens)



IP Result of anti-VCP (IP:10736-1-AP, 4ug; Detection:10736-1-AP 1:1000) with HeLa cells lysate 1505ug.



Background

VCP (Valosin-containing protein) 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).

Applications

Tested applications:	ELISA, WB, IP, IHC, IF
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated VCP MW:	71 kDa
Observed VCP MW:	90-100 kDa
Positive WB detected in	SH-SY5Y cells, HeLa cells, human brain tissue, MCF7 cells, mouse brain tissue, mouse lung tissue, mouse thymus tissue, rat brain tissue, rat lung tissue, RAW264.7 cells
Positive IP detected in	HeLa cells
Positive IHC detected in	Human gliomas tissue, human colon cancer tissue, human lung cancer tissue
Positive IF detected in	SH-SY5Y cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:500-1:5000 IHC: 1:20-1:200 IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1002
GenBank accession number:	BC007562
Gene ID (NCBI):	7415
Full name:	Valosin-containing protein

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 10736-1-AP(VCP antibody) at dilution of 1:1000

Immunofluorescent analysis of SH-SY5Y cells using 10736-1-AP(VCP Antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)