

VCP Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6920b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	P55072
Other Accession	P23787 , P46462 , P03974 , Q01853 , Q7ZU99 , Q3ZBT1
Reactivity	Human
Predicted	Bovine, Zebrafish, Mouse, Pig, Rat, Xenopus
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB21276
Antigen Region	726-755

Additional Information

Other Names	Transitional endoplasmic reticulum ATPase, TER ATPase, 15S Mg(2+)-ATPase p97 subunit, Valosin-containing protein, VCP, VCP
Target/Specificity	This VCP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 726-755 amino acids from the C-terminal region of human VCP.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	VCP Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

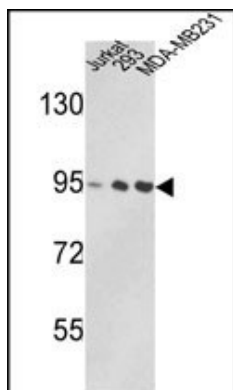
VCP is a member of a family that includes putative ATP-binding proteins involved in vesicle transport and fusion, 26S proteasome function, and assembly of peroxisomes. This protein, as a structural protein, is associated with clathrin, and heat-shock protein Hsc70, to form a complex. It has been implicated in a

number of cellular events that are regulated during mitosis, including homotypic membrane fusion, spindle pole body function, and ubiquitin-dependent protein degradation.

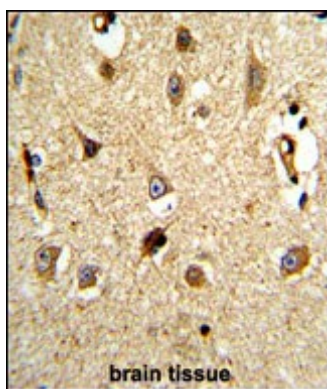
References

Rush,J., et.al., Nat. Biotechnol. 23 (1), 94-101 (2005)

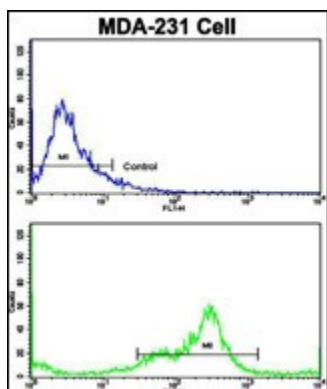
Images



Western blot analysis of VCP Antibody (C-term) (Cat. #AP6920b) in Jurkat, 293, MDA-MB231 cell line lysates (35ug/lane). VCP (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with VCP Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow cytometric analysis of MDA-231 cells using VCP Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Citations

- [KUS121, a valosin-containing protein modulator, attenuates ischemic stroke via preventing ATP depletion.](#)
- [Immunoreactivity of valosin-containing protein in sporadic amyotrophic lateral sclerosis and in a case of its novel mutant.](#)