

Rabbit VCP Polyclonal Antibody | anti-VCP antibody

VCP Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284061	Rabbit	Human (Predicted Reactivity: Bovine, Zebrafish, Mouse, Pig, Rat, Xenopus)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

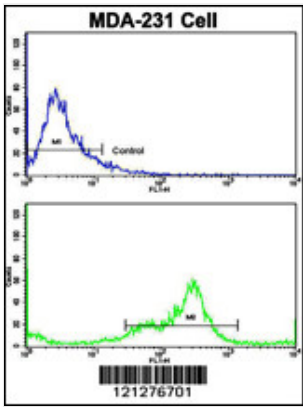
PRODUCT SYNONYMS

VCP; Polyclonal Antibody; VCP Antibody (C-term); Transitional endoplasmic reticulum ATPase; TER ATPase; 15S Mg(2+)-ATPase p97 subunit; Valosin-containing protein; anti-VCP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Zebrafish, Mouse, Pig, Rat, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	726-755
Sequence Length	806
Applicable Applications for anti-VCP antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

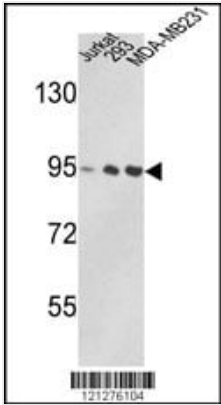
IMAGES



FCM/FACS (Flow Cytometry)
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.



IHC (Immunohistochemistry)
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.



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

ADDITIONAL INFORMATION

Related Product Information for anti-VCP antibody	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.
Product Categories/Family for anti-VCP antibody	Metabolism; Neuroscience; Signal Transduction
References	Rush,J., et.al., Nat. Biotechnol. 23 (1), 94-101 (2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6005942
NCBI GeneID	7415
NCBI Accession #	NP_009057.1
NCBI GenBank Nucleotide #	NM_007126.3
UniProt Accession #	P55072; Q0V924; Q2TAI5; Q969G7; Q9UCD5; B2R5T8

Molecular Weight	89322
NCBI Official Full Name	transitional endoplasmic reticulum ATPase
NCBI Official Synonym Full Names	valosin containing protein
NCBI Official Symbol	VCP
NCBI Official Synonym Symbols	p97; TERA; ALS14; IBMPFD; HEL-220; IBMPFD1; HEL-S-70
NCBI Protein Information	transitional endoplasmic reticulum ATPase
UniProt Protein Name	Transitional endoplasmic reticulum ATPase
UniProt Gene Name	VCP
UniProt Synonym Gene Names	TER ATPase; VCP
UniProt Entry Name	TERA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/vcp-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/284061>