



Rabbit Anti-Human VCP Polyclonal Antibody (CABT-L2219)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Product Overview | Polyclonal Antibody to Valosin Containing Protein (Knockout Validated) |
| Specificity | The antibody is a rabbit polyclonal antibody raised against VCP. It has been selected for its ability to recognize VCP in immunohistochemical staining and western blotting. |
| Target | VCP |
| Immunogen | Recombinant fragment corresponding to human VCP (Gly125~Ile371) |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human, Rat, Pig |
| Purification | Antigen-specific affinity chromatography followed by Protein A affinity chromatography |
| Conjugate | Unconjugated |
| Applications | WB |
| Format | Liquid |
| Concentration | Lot specific |
| Size | 200 µg |
| Buffer | Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4. |
| Preservative | 0.05% Proclin-300 |

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| Storage | Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months. |
| Ship | 4°C with ice bags |

BACKGROUND

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| Introduction | The protein encoded by this gene 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. [provided by RefSeq, Jul 2008] |
| Keywords | IBMPFD;p97;TERA;Transitional Endoplasmic Reticulum ATPase;15S Mg(2+)-ATPase p97 subunit |

GENE INFORMATION

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| Gene Name | VCP valosin containing protein [Homo sapiens (human)] |
| Official Symbol | VCP |
| Synonyms | VCP; valosin containing protein; p97; TERA; ALS14; IBMPFD; HEL-220; IBMPFD1; HEL-S-70; transitional endoplasmic reticulum ATPase; TER ATPase; yeast Cdc48p homolog; valosin-containing protein; 15S Mg(2+)-ATPase p97 subunit; epididymis luminal protein 220; epididymis secretory protein Li 70; |
| Entrez Gene ID | 7415 |
| Protein Refseq | NP_009057 |
| UniProt ID | P55072 |
| Chromosome Location | 9p13.3 |
| Pathway | Cellular response to heat stress; Cellular responses to stress; Disease; HRD1/SEL1 ERAD complex; HSF1 activation; Hedgehog ligand biogenesis; Hh ligand biogenesis disease; IL-9 Signaling Pathway; |
| Function | ADP binding; ATP binding; ATPase activity; deubiquitinase activator activity; identical protein binding; lipid binding; poly(A) RNA binding; polyubiquitin binding; protein binding; protein complex binding; protein domain specific binding; protein phosphatase binding; receptor binding; ubiquitin-specific protease binding; |