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Datasheet for ABIN3029567 anti-VCP antibody (C-Term)

10

Images



Overview

Overview	
Quantity:	100 μg
Target:	VCP
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VCP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))
Product Details	
Immunogen:	An amino acid sequence from the C-terminus of human Valosin-containing protein (DNDIRKYEMFAQTLQQSR) was used as the immunogen for this VCP antibody (100% homologous in human, mouse and rat).
Isotype:	IgG
Purification:	Antigen affinity
Target Details	
Target:	VCP
Alternative Name:	VCP (VCP Products)
Background:	Valosin-containing protein, also called Cdc48, is an enzyme that in humans is encoded by the

Target Details

VCP gene. It is a member of the AAA+(ATPase associated with various activities) protein family. The gene maps to chromosome 9p13.3. It is necessary for the fragmentation of Golgi stacks during mitosis and for their reassembly after mitosis. It is involved in the formation of the transitional endoplasmic reticulum. This gene plays a role in vesicle transport and fusion, 26S proteasome function, and assembly of peroxisomes. VCP is also involved in DNA damage response: recruited to double-strand breaks(DSBs) sites in a RNF8- and RNF168-dependent manner and promotes the recruitment of TP53BP1 at DNA damage sites.

UniProt:

P55072

Pathways:

ER-Nucleus Signaling, Positive Regulation of Endopeptidase Activity, Ubiquitin Proteasome
Pathway

Application Details

Application Notes:

The stated application concentrations are suggested starting amounts. Titration of the VCP antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 μ g/mL,IHC (Paraffin): 0.5-1 μ g/mL,Immunocytochemistry: 0.5-1 μ g/mL

Restrictions:

For Research Use only

Handling

Buffer:

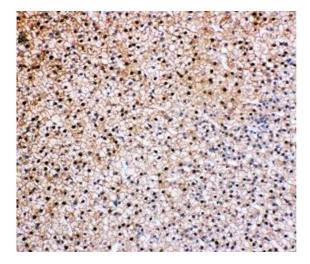
0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage:

-20 °C

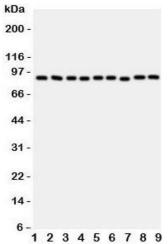
Storage Comment:

After reconstitution, the VCP antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



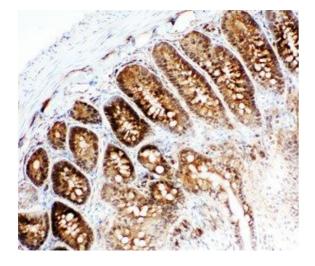
Immunohistochemistry

Image 1. IHC-P: VCP antibody testing of rat epinephros tissue



Western Blotting

Image 2. Western blot testing of VCP antibody and rat samples 1: brain; 2: kidney; 3: liver; 4: lung; and human samples 5: HeLa; 6: HL-60; 7: A431; 8: A549; 9: SMMC-7721 cell lysate. Expected/observed size ~89KD



Immunohistochemistry

Image 3. IHC-F testing of VCP antibody and rat intestine tissue

Please check the product details page for more images. Overall 10 images are available for ABIN3029567.