antibodies.com

Datasheet for ABIN3029568 anti-VCP antibody (AA 732-760)

6 Images



Overview

Quantity:	100 µg
Target:	VCP
Binding Specificity:	AA 732-760
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)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Amino acids 732-760 (RRDHFEEAMRFARRSVSDNDIRKYEMFAQ) were used as the immunogen for the VCP antibody (100% homologous in human, mouse and rat).
Isotype:	lgG
Purification:	Antigen affinity

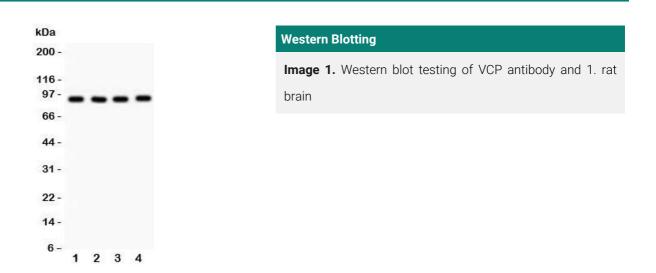
Target Details

Target:	VCP
Alternative Name:	VCP (VCP Products)
Background:	Valosin-containing protein, also called Cdc48, is an enzyme that in humans is encoded by the
	VCP gene. It is a member of the AAA+(ATPase associated with various activities) protein family.

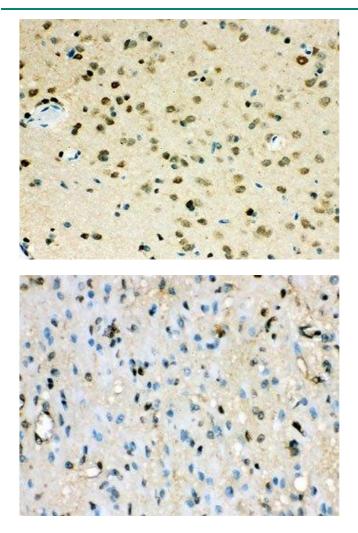
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	The gene maps to chromosome 9p13.3. It is necessary for the fragmentation of Golgi stacks
	during mitosis and for their reassembly after mitosis. It is involved in the formation of the
	transitional endoplasmic reticulum. This gene plays a role in 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
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Application Notes: Restrictions:	antibody may be required due to differences in protocols and secondary/substrate sensitivity.\.
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Restrictions: Handling	antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL,IHC (Frozen): 0.5-1 µg/mL For Research Use only
Restrictions: Handling Buffer:	antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL,IHC (Frozen): 0.5-1 µg/mL For Research Use only 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Images



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Immunohistochemistry

Image 2. IHC-P testing of VCP antibody and mouse brain

tissue

Immunohistochemistry

Image 3. IHC-P: VCP antibody testing of human glioma tissue

Please check the product details page for more images. Overall 6 images are available for ABIN3029568.