

Datasheet for ABIN2788042  
**anti-VCP antibody (C-Term)**



[Go to Product page](#)

5 Images

## Overview

Quantity:	100 µL
Target:	VCP
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Rabbit, Horse, Dog, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VCP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human VCP
Sequence:	EMFAQTLQQS RGFSGFRFPS GNQGGAGPSQ GSGGGTGGSV YTEDNDDDL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against VCP. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	VCP
Alternative Name:	VCP ( <a href="#">VCP Products</a> )

## Target Details

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**Background:** 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.

Alias Symbols: IBMPFD, MGC131997, MGC148092, MGC8560, TERA, p97, ALS14

Protein Interaction Partner: AMFR, UBXN2B, CEP19, FAM104A, UBC, ATXN3, FUS, DTNB, WDYHV1, VCP, LNX1, PSMA1, UBXN1, ASPSCR1, NSFL1C, RPL9, UBOX5, HUWE1, ISG15, ATG5, PLAA, RNF8, YOD1, VAPA, RPL23, GTF3C5, ACTB, PPP3CA, PPM1B, PHKG2, MDM2, CDK2, CCNB1, AR, OTU1, TUBB, UBXN2A, H2AFV, FB

Protein Size: 806

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**Molecular Weight:** 89 kDa

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**Gene ID:** 7415

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**NCBI Accession:** [NM\\_007126](#), [NP\\_009057](#)

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**UniProt:** [P55072](#)

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**Pathways:** [ER-Nucleus Signaling](#), [Positive Regulation of Endopeptidase Activity](#), [Ubiquitin Proteasome Pathway](#)

## Application Details

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**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator.

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**Comment:** Antigen size: 806 AA

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** Lot specific

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**Buffer:** Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

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**Preservative:** Sodium azide

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**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

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## Handling

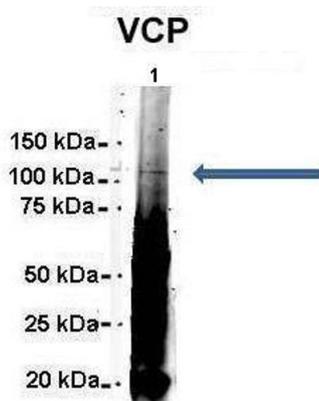
should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

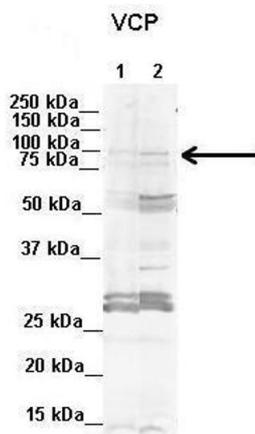
## Images



### Immunoprecipitation

**Image 1.** Amount and Sample Type : 500 ug Human NT2 cell lysate Amount of IP Antibody : 6 ug Primary Antibody : VCP Primary Antibody Dilution : 1:500 Secondary Antibody : Goat anti-rabbit Alexa-Fluor 594 Secondary Antibody Dilution : 1:5000 Gene Name : VCP Submitted by : Dr. Yuzhi Chen, University of Arkansas for Medical Science

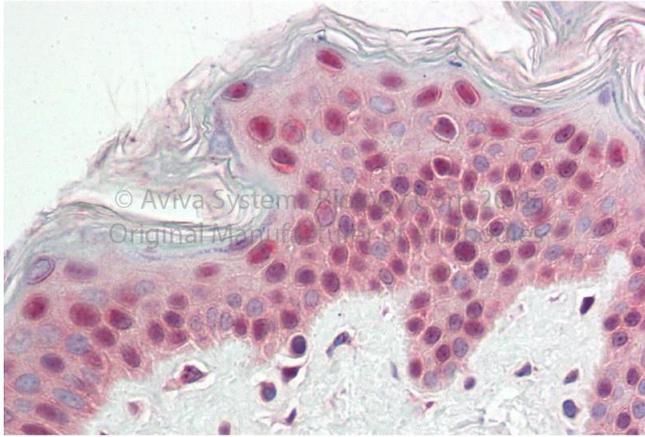
See Other Application 1 Data and Customer Feedback for more information



### Western Blotting

**Image 2.** Lanes: 1. Mouse WT brain extract (80ug) 2. Rat brain extract (80ug) Primary Antibody Dilution: 2ug/ml Secondary Antibody: IRDye 800CW goat anti-rabbit from LI-COR Bioscience Secondary Antibody Dilution: 1: 20,000 Gene Name: VCP Submitted by: Dr. Yuzhi Chen, University of Arkansas for Medical Science

See Immunoblot 2 Data and Customer Feedback for more information



### Immunohistochemistry

**Image 3.** Rabbit Anti-VCP antibody Catalog Number: ARP59365 Formalin Fixed Paraffin Embedded Tissue: Human Adult Skin Observed Staining: Cytoplasm in hepatocytes Primary Antibody Concentration: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 – 2.0 sec

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2788042.