

# VCP Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP\_009057.1

Catalog No. A300-588A

GeneID 7415

Lot No. A300-588A-2



<b>APPLICATIONS</b>	WB, IP, IHC
<b>SPECIES REACTIVITY</b>	Human, Mouse
<b>PRESUMED REACTIVITY</b>	Based on 100% sequence identity, this antibody is predicted to react with Rat, Zebrafish, Bovine and Pig
<b>AMOUNT</b>	100 µl
<b>CONCENTRATION</b>	200 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 – 8° C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
<b>ISOTYPE</b>	IgG
<b>ORIGIN</b>	USA
<b>PRODUCTION PROCEDURES</b>	Antibody was affinity purified using an epitope specific to VCP immobilized on solid support.

The epitope recognized by A300-588A maps to a region between residues 1 and 50 of human Valosin-Containing Protein using the numbering given in entry NP\_009057.1 (GeneID 7415).

Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

**APPLICATIONS** Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot 1:2,000 – 1:10,000

Immunoprecipitation 1 – 5 µg/mg lysate

Immunohistochemistry 1:200 – 1:1,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

**APPLICATION NOTES** Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).

**IHC HUMAN CONTROLS** Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE. Breast Carcinoma, Ovarian Carcinoma, Prostate Carcinoma, Skin Basal Cell Carcinoma

**IHC MOUSE CONTROLS** Renal Cell Carcinoma, Squamous Cell Carcinoma

**ADDITIONAL INFO** <https://www.bethyl.com/product/A300-588A>

Use the link above to view SDS, a current list of citations, and other product specific information.

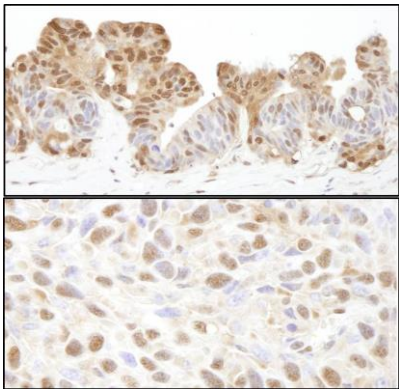
IP-western blot protocol: [https://www.bethyl.com/content/protocol\\_IP\\_WB](https://www.bethyl.com/content/protocol_IP_WB)

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Eric McIntush, PhD | Chief Scientific Officer Date: June 24, 2019



**Detection of human and mouse VCP by western blot.**  
*Samples:* Whole cell lysate (50 µg) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-VCP antibody A300-588A (lot A300-588A-2) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.

**Detection of human VCP by western blot of immunoprecipitates.** *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-VCP antibody A300-588A (lot A300-588A-2) used for IP at 3 µg per reaction. VCP was also immunoprecipitated by rabbit anti-VCP antibody A300-589A. For blotting immunoprecipitated VCP, A300-588A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



**Detection of human and mouse VCP by immunohistochemistry.** *Sample:* FFPE sections of human ovarian carcinoma (upper) and mouse squamous cell carcinoma (lower). *Antibody:* Affinity purified rabbit anti-VCP (Cat. No. A300-588A Lot1) used at a dilution of 1:200 (1 µg/ml). *Detection:* DAB