

# VCP Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP\_009057.1

Catalog No. A300-589A

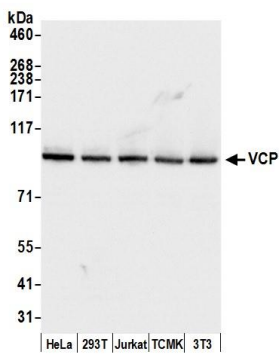
GeneID 7415

Lot No. A300-589A-3

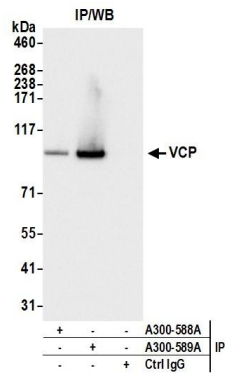


<b>APPLICATIONS</b>	WB, IP
<b>SPECIES REACTIVITY</b>	Human, Mouse
<b>PRESUMED REACTIVITY</b>	Based on 100% sequence identity, this antibody is predicted to react with Rat, Bovine and Pig
<b>AMOUNT</b>	100 µl
<b>CONCENTRATION</b>	200 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 – 8° C / 1 year from date of receipt
<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>	<p>Antibody was affinity purified using an epitope specific to VCP immobilized on solid support.</p> <p>The epitope recognized by A300-589A maps to a region between residue 750 and the C-terminus (residue 806) of human Valosin-Containing Protein using the numbering given in entry NP_009057.1 (GeneID 7415).</p> <p>Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.</p>
<b>APPLICATIONS</b>	<p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <p>Western Blot 1:2,000 – 1:10,000</p> <p>Immunoprecipitation 2 – 5 µg/mg lysate</p>
<b>APPLICATION NOTES</b>	<p>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).</p> <p>Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.</p>
<b>IHC HUMAN CONTROLS</b>	Breast Carcinoma, Osteosarcoma, Ovarian Carcinoma, Prostate Carcinoma, Skin Basal Cell Carcinoma, Stomach Adenocarcinoma
<b>IHC MOUSE CONTROLS</b>	Squamous Cell Carcinoma, Teratoma
<b>ADDITIONAL INFO</b>	<p><a href="https://www.bethyl.com/product/A300-589A">https://www.bethyl.com/product/A300-589A</a></p> <p>Use the link above to view SDS, a current list of citations, and other product specific information.</p> <p>IP-western blot protocol: <a href="https://www.bethyl.com/content/protocol_IP_WB">https://www.bethyl.com/content/protocol_IP_WB</a></p>

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 21, 2019



**Detection of human and mouse VCP by western blot.**  
*Samples:* Whole cell lysate (15 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 A300-589A (lot A300-589A-3) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 1 second.



**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 A300-589A (lot A300-589A-3) used for IP at 3 µg per reaction. VCP was also immunoprecipitated by rabbit anti-VCP antibody A300-588A. For blotting immunoprecipitated VCP, A300-589A was used at 0.4 µg/ml. *Detection:* Chemiluminescence with an exposure time of 1 second.