

Product Datasheet

p97/VCP Antibody NB100-1557

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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NB100-1557

p97/VCP Antibody

Product Information	
Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA
Target Molecular Weight	89 kDa

Product Description	
Host	Rabbit
Gene ID	7415
Gene Symbol	VCP
Species	Human, Mouse, Rat
Reactivity Notes	Rat reactivity reported from a verified customer review.
Immunogen	The immunogen recognized by this antibody maps to a region between residues 1 and 50 of human Valosin-Containing Protein using the numbering given in entry NP_009057.1 (GenelD 7415).

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry 1:200 - 1:1000, Immunoprecipitation 1-5 ug/mg of lysate, Immunohistochemistry-Paraffin 1:200-1:1000
Application Notes	Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections. p97/VCP antibody validated for WB from a verified customer review.

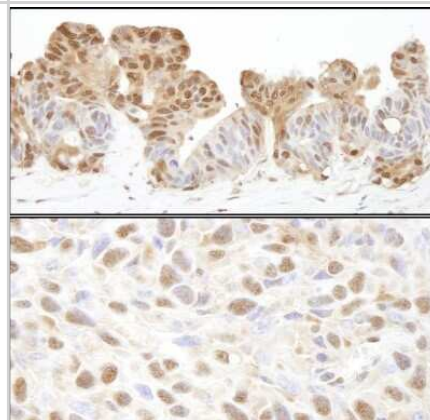


Images

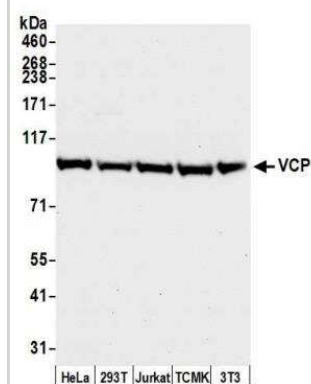
Western Blot: p97/VCP Antibody [NB100-1557] - PC12 whole cell lysate, 30 ug total protein in each lane. Antibody at 1:1000. Image submitted by a verified customer review.



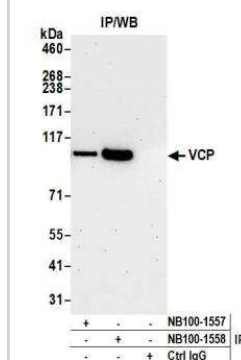
Immunohistochemistry-Paraffin: p97/VCP Antibody [NB100-1557] - Sections of human ovarian carcinoma (upper) and mouse squamous cell carcinoma (lower). Antibody: Affinity purified rabbit anti-VCP used at a dilution of 1:200 (1ug/ml). Detection: DAB



p97/VCP Antibody [NB100-1557] - Detection of human and mouse VCP by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-VCP antibody NB100-1557 used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



p97/VCP Antibody [NB100-1557] - 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 NB100-1557 used for IP at 3 ug per reaction. VCP was also immunoprecipitated by rabbit anti-VCP antibody NB100-1558. For blotting immunoprecipitated VCP, NB100-1557 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



Publications

Chroma K, Skrott Z, Gursky J et al. A drug repurposing strategy for overcoming human multiple myeloma resistance to standard-of-care treatment *Cell death & disease* 2022-03-04 [PMID: 35246527] (WB, Human)

Skrott Z, Mistrik M, Andersen KK et al. Alcohol-abuse drug disulfiram targets cancer via p97 segregase adaptor NPL4. *Nature* 2017-12-14 [PMID: 29211715] (WB, Human)

Tcherpakov M, Delaunay A, Toth J et al. Regulation of endoplasmic reticulum-associated degradation by RNF5-dependent ubiquitination of JNK-associated membrane protein (JAMP). *J Biol Chem* 2009-05-01 [PMID: 19269966]

Dong M, Bridges JP, Apsley K et al. ERdj4 and ERdj5 are required for endoplasmic reticulum-associated protein degradation of misfolded surfactant protein C. *Mol Biol Cell* 2008-06-01 [PMID: 18400946]

Liu Y, Testa JS, Philip R et al. A ubiquitin independent degradation pathway utilized by a hepatitis B virus envelope protein to limit antigen presentation. *PLoS ONE*;6(9). 2011-01-01 [PMID: 21969857]





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Products Related to NB100-1557

NBL1-17707	p97/VCP Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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