

# Product Datasheet

## p97/VCP Antibody (4A8) - Azide and BSA Free H00007415-M03

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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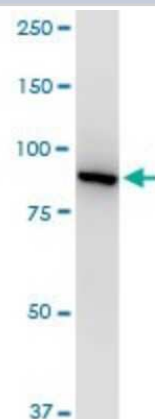
**H00007415-M03**

p97/VCP Antibody (4A8) - Azide and BSA Free

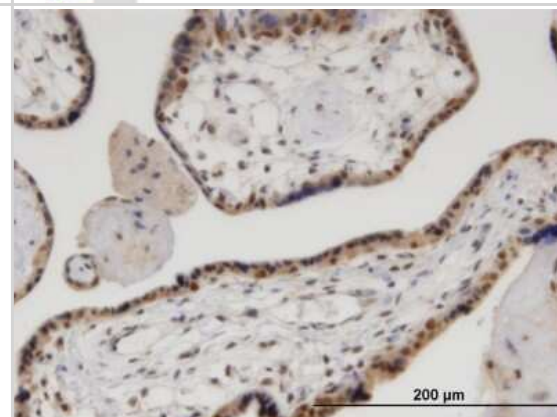
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4A8
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	7415
Gene Symbol	VCP
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	VCP - valosin-containing protein (4A8)
Immunogen	VCP (AAH07562, 1 a.a. ~ 588 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MVELPLRHPALFKAIGVKPPRGILLYGPPGTGKTLIARAVANETGAFFFLINGPEI MSKLAGESESNLRKAFEEAEKNAPAIIFIDELDAIAPKREKTHGEVERRIVSQQLLT LMDGLKQRAHVIVMAATNRPNSIDPALRRFGRFDREVDIGIPDATGRLEILQIHT KNMKLADDVDLEQVANETHGHVGDLAALCSEAAQAIRKKMDLIDLEDETIDA EVMNSLAVTMDDFRWALSQSNPSALRETVVEVPQVTWEDIGGLEDVKRELQE LVQYPVEHPDKFLKFGMTPSKGVLFYGGPGCGKTLAKAIANECQANFISIKGP ELLMWFGSEANVREIFDKARQAAPCVLFFDELDSIAKARGGNIQDGGGAAD RVINQILTEMDGMSTKKNVFIIGATNRPDIIDPAILRPGRLDQLIYIPLPDEKSRVAI LKANLRKSPVAKDVDLEFLAKMTNGFSGADLTEICQRACKLAIRESIESEIRRER ERQTNPSAMEVEEDDPVPEIRRDHFEEAMRFARRSVSDNDIRKYEMFAQTLQ QSRGFGSFRFSPGNQGGAGPSQGSQGGTGGSVYTEDNDDDLYG
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for ELISA.

**Images**

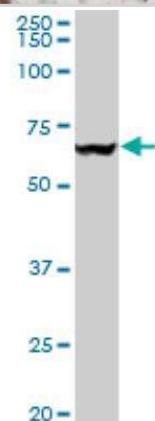
Western Blot: p97/VCP Antibody (4A8) [H00007415-M03] - Analysis of VCP expression in Hela S3 NE.



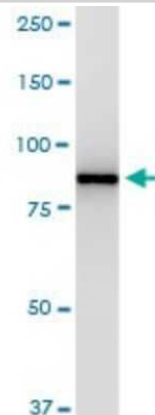
Immunohistochemistry-Paraffin: p97/VCP Antibody (4A8) [H00007415-M03] - Analysis of monoclonal antibody to VCP on formalin-fixed paraffin-embedded human placenta. Antibody concentration 3 ug/ml



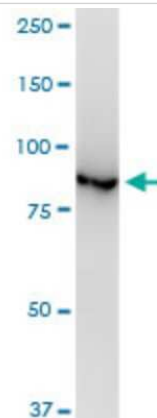
Western Blot: p97/VCP Antibody (4A8) [H00007415-M03] - VCP monoclonal antibody (M03), clone 4A8. Western Blot analysis of VCP expression in HepG2 ( Cat # L019V1 ).



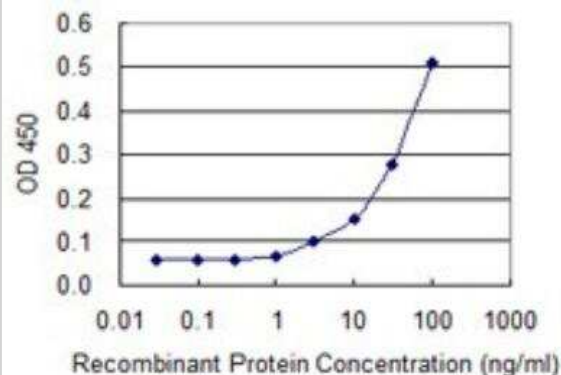
Western Blot: p97/VCP Antibody (4A8) [H00007415-M03] - Analysis of VCP expression in PC-12.



Western Blot: p97/VCP Antibody (4A8) [H00007415-M03] - Analysis of VCP expression in Raw 264.7.



ELISA: p97/VCP Antibody (4A8) [H00007415-M03] - Detection limit for recombinant GST tagged VCP is 1 ng/ml as a capture antibody.



## Publications

You X, Xu D, Zhang D et al. PYR-41 and Thalidomide Impair Dendritic Cell Cross-Presentation by Inhibiting Myddosome Formation and Attenuating the Endosomal Recruitments of p97 and Sec61 via NF- $\kappa$ B Inactivation. *J Immunol Res.* 2018-07-05 [PMID: 30069488]

Halbert D, Domenyuk V, Spetzler D et al. Aptamers and uses thereof United States Patent Application US 9958448 B2 2018-01-01

Chang CP, Chan YY, Li CF et al. Deciphering the Molecular Mechanism Underlying the Inhibitory Efficacy of Taiwanese Local Pomegranate Peels against Urinary Bladder Urothelial Carcinoma. *Nutrients* 2018-04-27 [PMID: 29702555]



### Novus Biologicals USA

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### Bio-Techne Canada

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### Bio-Techne Ltd

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### General Contact Information

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### Products Related to H00007415-M03

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00007415-P02-10ug	Recombinant Human p97/VCP GST (N-Term) Protein

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### 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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