

# Product Datasheet

**p97/VCP Antibody (5H12)**

**NBP3-26257-100ul**

Unit Size: 100 ul

Store at -20 to -70C. Avoid freeze-thaw cycles.

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**NBP3-26257-100ul**

p97/VCP Antibody (5H12)

**Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20 to -70C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	5H12
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS, pH 7.4, 150mM NaCl, and 50% glycerol

**Product Description**

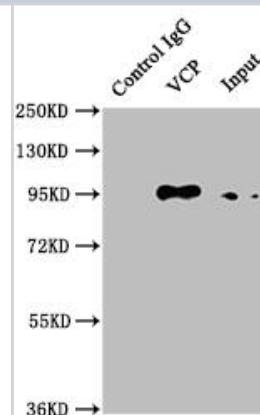
<b>Host</b>	Rabbit
<b>Gene ID</b>	7415
<b>Gene Symbol</b>	VCP
<b>Species</b>	Human, Rat
<b>Immunogen</b>	A synthesized peptide derived from Human p97/VCP [UniProt P55072]

**Product Application Details**

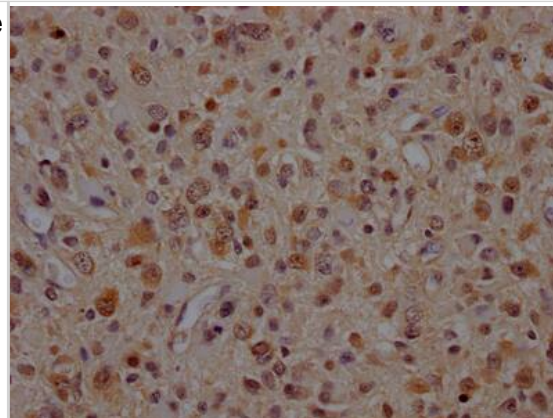
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:500-1:5000, ELISA, Immunohistochemistry 1:50-1:200, Immunocytochemistry/ Immunofluorescence 1:20-1:200, Immunoprecipitation 1:200-1:1000

**Images**

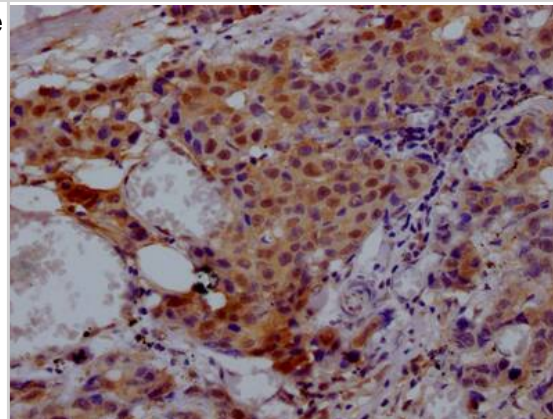
Immunoprecipitation: p97/VCP Antibody (5H12) [NBP3-26257] - Immunoprecipitating p97/VCP in U251 whole cell lysate.  
 Lane 1: Rabbit control IgG instead of NBP3-26257 in U251 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000).  
 Lane 2: NBP3-26257 (2ug) + U251 whole cell lysate (500ug).  
 Lane 3: U251 whole cell lysate (10ug).



Immunohistochemistry: p97/VCP Antibody (5H12) [NBP3-26257] - Image of p97/VCP Antibody (5H12) diluted at 1:100 and staining in paraffin-embedded human breast cancer performed. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



Immunohistochemistry: p97/VCP Antibody (5H12) [NBP3-26257] - Image of p97/VCP Antibody (5H12) diluted at 1:100 and staining in paraffin-embedded human breast cancer performed. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



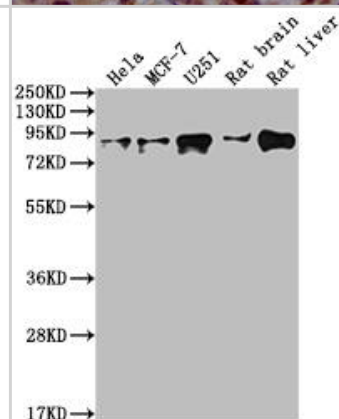
Western Blot: p97/VCP Antibody (5H12) [NBP3-26257] - Positive Western Blot detected in: Hela whole cell lysate, MCF-7 whole cell lysate, U251 whole cell lysate, Rat brain tissue, Rat liver tissue.

All lanes: p97/VCP Antibody at 1: 2000

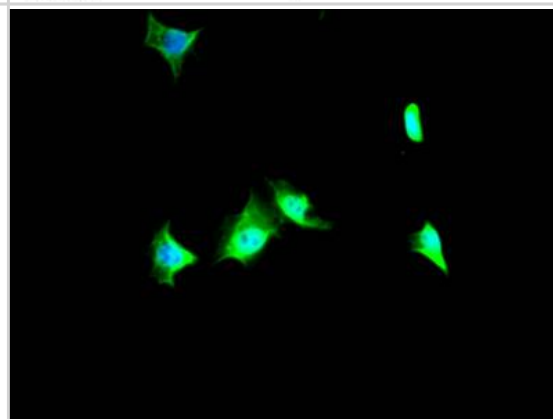
Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution.

Predicted band size: 90 kDa

Observed band size: 90 kDa



Immunocytochemistry/Immunofluorescence: p97/VCP Antibody (5H12) [NBP3-26257] - Staining of SY5Y Cells with p97/VCP Antibody (5H12) at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeated by 0.2% Triton X-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated Goat Anti-Rabbit IgG (H+L).





### **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 NBP3-26257-100ul**

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00007415-P02-10ug	Recombinant Human p97/VCP GST (N-Term) Protein

### **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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