

# Product Datasheet

## RB1 Antibody (172C1094) - (cleaved) - Azide and BSA Free NBP2-33240

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-33240**

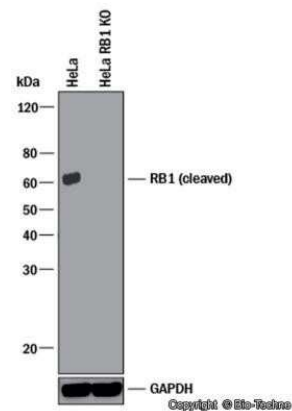
RB1 Antibody (172C1094) - (cleaved) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	172C1094
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Knockout (KO) Validated Mouse RB1 Antibody (172C1094) - (cleaved) - Azide and BSA Free (NB100-56598) is a monoclonal antibody validated for use in IHC and WB. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	5925
<b>Gene Symbol</b>	RB1
<b>Species</b>	Human, Mouse
<b>Specificity/Sensitivity</b>	The antibody recognizes cleaved Rb (DRb-p70). The antibody does not recognize full-length Rb. In camptothecin treated HL60, an ~68 kDa band is observed. DRb-p70 exists in vivo as an N-terminally truncated form of Rb (Liu et al.). DRb-p70 is thought to be the product of alternative translation and is expressed in primary myeloid cells in fetal liver, bone marrow and spleen. DRb-p70 is also specifically expressed in tumor-associated macrophages (TAMs). TAMs are an important targets of cancer therapy. DRb-p70 is a marker of TAMs, and maybe useful for identifying tumors with macrophage infiltration (Liu et al, 2005).
<b>Immunogen</b>	A synthetic peptide corresponding to a region of the caspase-3-induced cleavage site of human Rb was used as immunogen.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunohistochemistry-Frozen, Knockdown Validated, Knockout Validated
<b>Recommended Dilutions</b>	Western Blot 2 ug/ml, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen 1:10-1:500, Knockout Validated, Knockdown Validated



## Images

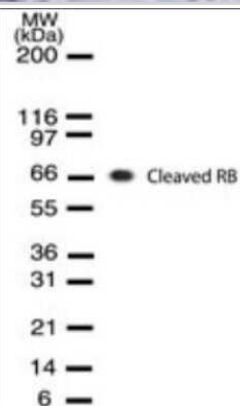
Western Blot: RB1 Antibody (172C1094) - (cleaved) - Azide Free [NBP2-33240] - Western blot shows lysates of HeLa human cervical epithelial carcinoma parental cell line and RB-1 knockout (KO) HeLa cell line. PVDF membrane was probed with 2 ug/ml of Mouse Anti-Human RB-1 Monoclonal Antibody (Catalog # NB100-56598) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog #HAF018). Specific band was detected for RB-1 at approximately 60 kDa (as indicated) in the parental HeLa cell line, but is not detectable in the knockout HeLa cell line. This experiment was conducted under reducing conditions. Image using the standard format of this product.



Immunohistochemistry: RB1 Antibody (172C1094) - (cleaved) - Azide Free [NBP2-33240] - analysis in sections of primary human breast tumors. Image courtesy of Dr. Macleod, The Ben May Institute for Cancer Research, The University of Chicago.



Western Blot: RB1 Antibody (172C1094) - (cleaved) - Azide Free [NBP2-33240] - Analysis in HL60 cells were treated with camptothecin for 24 hours.





### **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 NBP2-33240**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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