

Product Datasheet

RB1 Antibody (172C1094) - (cleaved) NB100-56598

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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NB100-56598

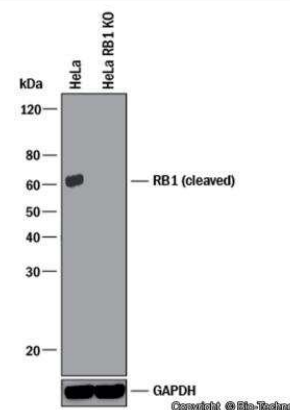
RB1 Antibody (172C1094) - (cleaved)

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	172C1094
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS containing 0.05% BSA
Product Description	
Description	Novus Biologicals Mouse RB1 Antibody (172C1094) - (cleaved) (NB100-56598) is a monoclonal antibody validated for use in IHC and WB. Anti-RB1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	5925
Gene Symbol	RB1
Species	Human, Mouse
Specificity/Sensitivity	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).
Immunogen	A synthetic peptide corresponding to a region of the caspase-3-induced cleavage site of human Rb was used as immunogen.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunohistochemistry-Frozen, Knockdown Validated
Recommended Dilutions	Western Blot 2 ug/ml, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen 1:10-1:500, Knockdown Validated

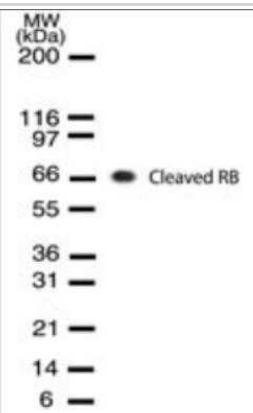


Images

Western Blot: RB1 Antibody (172C1094) - (cleaved) [NB100-56598] - 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.



Western Blot: cleaved Retinoblastoma 1 Antibody (172C1094) [NB100-56598] - Analysis in HL60 cells were treated with camptothecin for 24 hours.



Immunohistochemistry: cleaved Retinoblastoma 1 Antibody (172C1094) [NB100-56598] - Analysis in sections of primary human breast tumors. Image courtesy of Dr. Macleod, The Ben May Institute for Cancer Research, and The University of Chicago.



Publications

Yurkova N, Shaw J, Blackie K et al. The cell cycle factor E2F-1 activates Bnip3 and the intrinsic death pathway in ventricular myocytes. *Circ Res.* 2008-02-29 [PMID: 18096822] (WB)

Details:

Cleaved Retinoblastoma Protein (IMG-395). WB: Rat cardiac cell lysate, Fig 4C. Note: The cleaved retinoblastoma band was seen at ~68 kDa, Fig 2C.

Liu HP, Thompson AM, Macleod KF. A novel form of pRb expressed during normal myelopoiesis and in tumour-associated macrophages. *Cell Prolif.* 2005-02-01 [PMID: 15679863] (IHC-P, WB)

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Products Related to NB100-56598

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-35240-10ug	Recombinant Human RB1 His 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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