# Product Datasheet

## PUMA Antibody
## NB500-261SS

Unit Size: 0.025 ml

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



**Publications: 1**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB500-261

Updated 6/15/2014 v.20.1

# NB500-261SS

PUMA Antibody

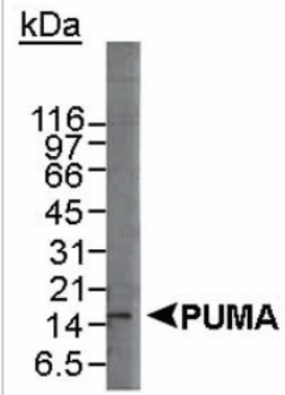
| Product Information | |
|---|---|
| **Unit Size** | 0.025 ml |
| **Concentration** | 5.65 mg/ml |
| **Storage** | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| **Clonality** | Polyclonal |
| **Preservative** | 0.05% Sodium Azide |
| **Purity** | Immunogen affinity purified |
| **Buffer** | Tris-glycine, 150 mM NaCl |
| **Target Molecular Weight** | 16 kDa |

| Product Description | |
|---|---|
| **Host** | Rabbit |
| **Gene ID** | 27113 |
| **Gene Symbol** | BBC3 |
| **Species** | Human |
| **Species Reactivity** | Human. |
| **Immunogen** | A synthetic peptide made to a region within the C-terminus of the human PUMA protein sequence (between residues 150-193). [UniProt# Q9BXH1] |

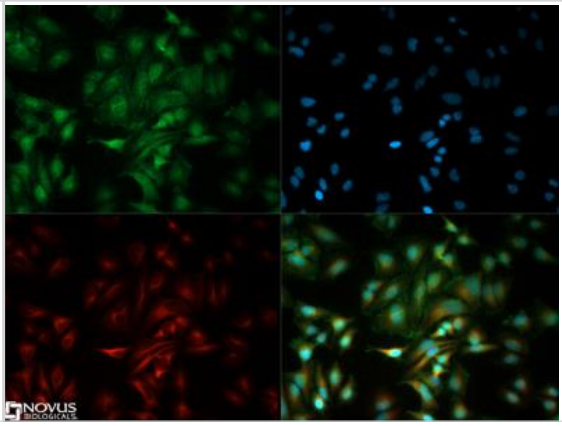
| Product Application Details | |
|---|---|
| **Applications** | Western Blot, Immunocytochemistry/Immunofluorescence |
| **Recommended Dilutions** | Immunocytochemistry/Immunofluorescence 1:20-1:100, Western Blot 2-4 ug/ml |
| **Application Notes** | This PUMA antibody is useful for Western blot and Immunocytochemistry/Immunofluorescence. By WB a band at ~16 kDa is seen, representing the beta form of PUMA. Reactivity against the alpha form of PUMA is unknown. |

## Images

Western Blot: PUMA Antibody [NB500-261] - Detection of the beta isoform of PUMA in HL-60 whole cell lysate using NB 500-261(4 ug/ml). ECL detection at a 30 minute exposure.




Immunocytochemistry/Immunofluorescence: PUMA Antibody [NB500-261] - The PUMA antibody was tested at a 1:20 dilution in HeLa cells against Dylight 488 (Green). Alpha-tubulin and nuclei were counterstained against Dylight 550 (Red) and DAPI (Blue).



## Publications

Stylianou, S, Clarke, R B, Brennan, K. Aberrant activation of notch signaling in human breast cancer. Cancer Res;66 (3):1517-25. 2006 Feb 1. [PMID: 16452208] (WB, Human)

## Procedures

**Protocol specific for PUMA Antibody (NB500-261)**
Western Blot Protocol

1. Perform SDS-PAGE (4-12%) on samples to be analyzed, loading 35 ug of total protein per lane.

2. Transfer proteins to Nitrocellulose according to the instructions provided by the manufacturer of the transfer apparatus.

3. Stain the blot using ponceau S for 1-2 minutes to access the transfer of proteins onto the nitrocellulose membrane. Rinse the blot in water to remove excess stain and mark the lane locations and locations of molecular weight markers using a pencil.

4. Rinse the blot in TBS for approximately 5 minutes.

5. Block the membrane using 5% non-fat dry milk + 0.5% BSA in TBS for 1 hour.

6. Dilute the rabbit anti-PUMA primary antibody (NB 500-261) in blocking buffer and incubate 2 hours at room temperature.

7. Wash the membrane in water for 5 minutes and apply the diluted rabbit-IgG HRP-conjugated secondary antibody in blocking buffer (as per manufacturer's instructions) and incubate 1 hour at room temperature.

8. Wash the blot in TBS containing 0.05-0.1% Tween-20 for 10-20 minutes.

9. Wash the blot in type I water for an additional 10-20 minutes (this step can be repeated as required to reduce background).

10. Apply the detection reagent of choice in accordance with the manufacturer's instructions (Amersham's ECL is the standard reagent used at Novus Biologicals).

Note: Tween-20 can be added to the blocking buffer at a final concentration of 0.05-0.2%, provided it does not interfere with antibody-antigen binding.

## Novus Biologicals USA
8100 Southpark Way, A-8
Littleton, CO 80120
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
novus@novusbio.com

## Novus Biologicals Canada
461 North Service Road West, Unit B37
Oakville, ON L6M 2V5
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada@novusbio.com

## Novus Biologicals Europe
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@bio-techne.com

## General Contact Information
www.novusbio.com
Technical Support: technical@novusbio.com
Orders: orders@novusbio.com
General: novus@novusbio.com


**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.

**For more information on our guarantee, please visit www.novusbio.com/guarantee.**