Product Datasheet

beta-Actin Antibody
NB100-56874

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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## Beta-Actin Antibody

### Product Information

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Unit Size</strong></td>
<td>0.1 mg</td>
</tr>
<tr>
<td><strong>Concentration</strong></td>
<td>1.0 mg/ml</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.</td>
</tr>
<tr>
<td><strong>Clonality</strong></td>
<td>Polyclonal</td>
</tr>
<tr>
<td><strong>Preservative</strong></td>
<td>0.05% Sodium Azide</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>Protein G purified</td>
</tr>
<tr>
<td><strong>Buffer</strong></td>
<td>PBS</td>
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</tbody>
</table>

### Product Description

- **Host**: Rabbit
- **Gene ID**: 60
- **Gene Symbol**: ACTB
- **Species**: Human, Mouse, Rat, Porcine, Invertebrate
- **Reactivity Notes**: Invertebrate reactivity reported in scientific literature (PMID: 25240497). Porcine reactivity reported in scientific literature (PMID: 26593451)
- **Specificity/Sensitivity**: The NCBI accession number for actin is AAA51567.
- **Immunogen**: Amino acids 2-16 (CDDDIAALVIDNGSG) of actin protein were used as the immunogen.

### Product Application Details

- **Applications**: Western Blot, Simple Western, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
- **Recommended Dilutions**: Western Blot 0.25 - 1 ug/mL, Simple Western 1:12.5, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 10 ug/mL
- **Application Notes**: This antibody is not suitable for testing heart or muscle lysate. Use in Immunohistochemistry reported in scientific literature (PMID 27371029).
  
  In Simple Western only 10 - 15 µL of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue.

### Images

**Immunocytochemistry/Immunofluorescence**: beta-Actin Antibody [NB100-56874] - Actin was detected in NIH-3T3 cells fixed with methanol using rabbit anti-mouse Actin antibody (NB100-56874) at 1:100 dilution, overnight at 4°C. Cells were stained using Northern Lights 557 conjugated anti-rabbit secondary antibodies (NL004) and counterstained with DAPI.
Simple Western: beta-Actin Antibody [NB100-56874] - Image shows a specific band for Beta Actin in 1.0 mg/mL of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.

Western Blot: beta-Actin Antibody [NB100-56874] - Cell lysates A: human brain, B: mouse brain, C: rat brain, D: human lung, E: human spleen tissue probed using beta actin antibody at 0.25 ug/mL.

Western Blot: beta-Actin Antibody [NB100-56874] - Decreasing amounts of human ovary tissue lysate were probed using beta actin antibody at 0.25 ug/mL: A) 40 ug, B) 30 ug, C) 20 ug, D) 10 ug per lane.

Immunohistochemistry-Paraffin: beta-Actin Antibody [NB100-56874] - Analysis of human spleen using antibody at 10 ug/mL.
### Publications

Mandal A, Chaubey B. Expression of Duplex shRNAs through a Lentiviral Vector against Cellular and Viral Genes Inflicts Sustained Inhibition of Hepatitis C Virus Replication. *Intervirology* Sep 25 2018 12:00AM [PMID: 30253401] (WB, Human)


Yoshimura R. Study of branched chain amino acids as physiologically active substances Thesis 2016 (WB, Rat)


Ganta KK, Mandal A, Debnath S et al. Anti-HCV Activity from Semi-purified Methanolic Root Extracts of *Valeriana wallichii* *Phytother Res* Jan 12 2017 12:00AM [PMID: 28078810]


Mandal A, Ganta KK, Chaubey B. Combinations of siRNAs against La Autoantigen with NS5B or hVAP-A Have Additive Effect on Inhibition of HCV Replication. *Hepat Res Treat* 2016 Jun 29 [PMID: 27446609] (WB)


Ganta KK, Mandal A, Chaubey B, Depolarization of mitochondrial membrane potential is the initial event in non-nucleoside reverse transcriptase inhibitor efavirenz induced cytotoxicity *Cell Biol. Toxicol.* Sep 17 2016 12:00AM [PMID: 27639578] (WB, Human)


More publications at [http://www.novusbio.com/NB100-56874](http://www.novusbio.com/NB100-56874)
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 100% guarantee, please visit www.novusbio.com/guarantee

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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
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

Products Related to NB100-56874

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<tr>
<th>Product Code</th>
<th>Antibody Type</th>
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<tbody>
<tr>
<td>HAF008</td>
<td>Goat anti-Rabbit IgG Secondary Antibody [HRP (Horseradish Peroxidase)]</td>
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<tr>
<td>NB7156</td>
<td>Goat anti-Rabbit IgG (H+L) Secondary Antibody</td>
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<tr>
<td>NBP2-24891</td>
<td>Rabbit IgG Isotype Control</td>
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<tr>
<td>H00000060-P01-10ug</td>
<td>Recombinant Human beta-Actin Protein</td>
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