Product Datasheet

GAPDH Antibody (6C5cc)
NB600-502-0.2mg

Unit Size: 0.2 mg
Store at 4°C. Do not freeze.

Reviews: 2  Publications: 54

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Updated 12/10/2020 v.20.1

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### Product Information

<table>
<thead>
<tr>
<th><strong>Unit Size</strong></th>
<th>0.2 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concentration</strong></td>
<td>Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>Store at 4C. Do not freeze.</td>
</tr>
<tr>
<td><strong>Clonality</strong></td>
<td>Monoclonal</td>
</tr>
<tr>
<td><strong>Clone</strong></td>
<td>6C5cc</td>
</tr>
<tr>
<td><strong>Preservative</strong></td>
<td>0.09% Sodium Azide</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG1</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>Protein A purified</td>
</tr>
<tr>
<td><strong>Buffer</strong></td>
<td>PBS (pH 7.4)</td>
</tr>
<tr>
<td><strong>Target Molecular Weight</strong></td>
<td>36 kDa</td>
</tr>
</tbody>
</table>

### Product Description

- **Host**: Mouse
- **Gene ID**: 2597
- **Gene Symbol**: GAPDH
- **Species**: Human, Mouse, Rat, Porcine, Amphibian, Canine, Chinese Hamster, Feline, Fish, Primate, Monkey, Rabbit, Bovine (Negative), Goat (Negative)

**Reactivity Notes**: Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information. Chinese Hamster reactivity reported in scientific literature (PMID: 26115091).

**Immunogen**: This GAPDH antibody was developed against human or rabbit GAPDH.

### Product Application Details

- **Applications**: Western Blot, Simple Western, ELISA, Immunoassay, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
- **Recommended Dilutions**: Western Blot 0.5-1 ug/ml, Simple Western 1:100, ELISA, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:10-1:2000, Immunoprecipitation, Immunoassay

**Application Notes**: Since GAPDH is expressed in all cells it is for example becoming the marker of choice for a loading control in Western Blotting. In Simple Western only 10 - 15 µL of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue.
Western Blot: GAPDH Antibody (6C5) [NB600-502] - MUS81 promotes DNA synthesis during mitosis in BRCA2-deficient cells. Cell extracts were immunoblotted as indicated. SMC1 and GAPDH were used as loading controls. Image collected and cropped by CiteAb from the following publication (http://www.nature.com/doifinder/10.1038/ncomms15983), licensed under a CC-BY licence.

Western Blot: GAPDH Antibody (6C5) [NB600-502] - Western blot analysis of GAPDH expression in 1) HeLa, 2) NTERA-2, 3) A-431, 4) HepG2, 5) MCF-7, 6) NIH 3T3, 7) PC-12 and 8) COS-7 whole cell lysates. Theoretical molecular weight: 36 kDa.


Simple Western: GAPDH Antibody (6C5) [NB600-502] - Simple Western lane view shows a specific band for GAPDH in 0.5 mg/ml of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system. Note: band observed higher than predicted 36 kDa molecular weight.
Simple Western: GAPDH Antibody (6C5) [NB600-502] - Analysis in rat brain and spinal cord. This image includes the GAPDH at the predicted kDa as well as a glucocorticoid receptor antibody (peak 102). Verified customer review.

Publications


Pedersen MF, Moller TC, Seiersen SD, Mathiesen JM Dissecting the roles of GRK2 and GRK3 in mu-opioid receptor internalization and Beta-arrestin2 recruitment using CRISPR/Cas9-edited HEK293 cells bioRxiv Jan 1 2020 12:00AM (Human)

Ridgway SW Diffuse Brain Injury Incites Sexual Differences and Hypothalamic-Pituitary-Adrenal Axis Disruptions Thesis


Lopez KA Therapeutic targeting of histone H3 lysine 36 trimethylcylation-deficient cancers Thesis 2019 (WB, Human)


Strtak AC, Perry JL, Sharp MN et al. Recovirus NS1-2 Has Viroporin Activity That Induces Aberrant Cellular Calcium Signaling To Facilitate Virus Replication mSphere Sep 18 2019 12:00AM [PMID: 31533997] (WB, Mouse)


Details:
Citation using the DyLight 680 version of this antibody.


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Products Related to NB600-502-0.2mg

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NB800-PC1</td>
<td>HeLa Whole Cell Lysate</td>
</tr>
<tr>
<td>HAF007</td>
<td>Goat anti-Mouse IgG Secondary Antibody [HRP (Horseradish Peroxidase)]</td>
</tr>
<tr>
<td>NB720-B</td>
<td>Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]</td>
</tr>
<tr>
<td>NBP1-97005-0.5mg</td>
<td>Mouse IgG1 Isotype Control (MG1)</td>
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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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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