Product Datasheet

GFP Antibody
NB600-303

Unit Size: 0.05 ml
Store at -20°C. Avoid freeze-thaw cycles.

Reviews: 3  Publications: 44

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Updated 10/10/2018 v.20.1

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## NB600-303
### GFP Antibody

### Product Information

<table>
<thead>
<tr>
<th><strong>Unit Size</strong></th>
<th>0.05 ml</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concentration</strong></td>
<td>6.05 mg/ml</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>Store at -20°C. Avoid freeze-thaw cycles.</td>
</tr>
<tr>
<td><strong>Clonality</strong></td>
<td>Polyclonal</td>
</tr>
<tr>
<td><strong>Preservative</strong></td>
<td>0.01% Sodium Azide</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>Immunogen affinity purified</td>
</tr>
<tr>
<td><strong>Buffer</strong></td>
<td>0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</td>
</tr>
<tr>
<td><strong>Target Molecular Weight</strong></td>
<td>27 kDa</td>
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</tbody>
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### Product Description

**Host**
- Rabbit

**Gene Symbol**
- GFP

**Species**
- Jellyfish

**Reactivity Notes**
- GFP recombinant expression in mouse reported in scientific literature (PMID: 27106802). Reactive against all variants of Aequorea victoria GFP such as S65T-GFP, RS-GFP, YFP and EGFP. Human reactivity reported in scientific literature (PMID: 28174757). Mouse reactivity reported in scientific literature (PMID: 29079780).

**Specificity/Sensitivity**
- GFP from Aequorea victoria

**Immunogen**
- The immunogen is a Green Fluorescent Protein (GFP) fusion protein corresponding to the full length amino acid sequence (246aa) derived from the jellyfish Aequorea victoria.

### Product Application Details

**Applications**

**Recommended Dilutions**

**Application Notes**
- Immunoprecipitation reported successful by customer review. Immunohistochemistry-Paraffin (PMID: 21311774)
- Immunocytochemistry/Immunofluorescence was reported in scientific literature. Use in Flow Cytometry reported in scientific literature (PMID: 23903657). Use in Electron Microscopy reported in scientific literature (PMID 25538186). Use in Immunohistochemistry-Frozen reported in multiple pieces of scientific literature. Use in chromatin immunoprecipitation reported in scientific literature (PMID 28174757).
Immunocytochemistry/Immunofluorescence: GFP Antibody [NB600-303]

Western Blot: GFP Antibody [NB600-303] - WB analysis of GFP in various lysates. Image courtesy of product review by Emilie Leclerc.

Western Blot: GFP Antibody [NB600-303] - Analysis of GFP HRP expression in HeLa/GFP cell lysate.

Western Blot: GFP Antibody [NB600-303] - Lane 1: Wild type GFP (0.1 ug) was used to spike HeLa whole cell lysate. Lane 2: none. Load: 30 ug per lane. Primary antibody: GFP antibody at 1:1000 for overnight at 4C. Secondary antibody: IRDye800 (TM) Goat-a-Rabbit IgG [H&L] MX10 at 1:10,000 for 45 min at RT. Block: 5% BLOTTO in PBS overnight at 4C. Predicted/Observed size: 27 kDa for epitope tug GFP.
Western Blot: GFP Antibody [NB600-303] - Analysis using Biotin conjugate of NB600-303. Lane 1: 50ng of GFP. Lane 2: none. Primary antibody: none. Secondary antibody: Anti-Biotin Conjugated secondary antibody was used at 1:5000 in Blocking Buffer for Fluorescent Western Blotting for 45 min at RT. HRP Streptavidin was used at 1:40,000 in incubated with blocking buffer for 30 min at 20C. Block: 5% Blotto 30 min at 20C. Predicted/Observed size: 28 kDa for GFP. Other band(s): none.

Western Blot: GFP Antibody [NB600-303] - Lane 1: 293FT cells transfected with CDK4 dominant negative. Lane 2: 293FT cells poitive control. Load: 25 ug per lane. Primary antibody: GFP antibody at 1:400 for overnight at 4C. Secondary antibody: IRDye800 (TM) rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4C. Predicted/Observed size: 27 kDa for GFP.

Western Blot: GFP Antibody [NB600-303] - 50ng of GFP HRP conjugate.

Immunocytochemistry/Immunofluorescence: GFP Antibody [NB600-303]

Immunoprecipitation: GFP Antibody [NB600-303] - IP analysis of GFP in HeLa cell lysate. Image courtesy of anonymous customer review.
Publications


Bassermann AG. Dissertation_Baumann_vorlaufig Thesis. 2016 (Jellyfish)


Zangar RC, Daly DS, White AM et al. ProMAT calibrator: A tool for reducing experimental bias in antibody microarrays J Proteome Res

Details:
This publication used the Biotin conjugated form of this antibody (Cat# NB100-1365).

Olszak T, Neves JF, Dowds CM et al. Protective mucosal immunity mediated by epithelial CD1d and IL-10 Nature (IHC-Fr)

Details:
This publication used the FITC conjugated form of this antibody (Cat# NB100-1183).


Details:
This citation used the FITC version of this antibody.


Details:
This citation used the Biotin version of this antibody.


More publications at http://www.novusbio.com/NB600-303
**Products Related to NB600-303**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>HAF008</td>
<td>Goat anti-Rabbit IgG Secondary Antibody [HRP (Horseradish Peroxidase)]</td>
</tr>
<tr>
<td>NB7156</td>
<td>Goat anti-Rabbit IgG (H+L) Secondary Antibody</td>
</tr>
<tr>
<td>NBP2-24891</td>
<td>Rabbit IgG Isotype Control</td>
</tr>
<tr>
<td>NBC1-22949</td>
<td>Recombinant Jellyfish GFP Protein</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.

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