### Gastrin Releasing Peptide (Bombesin) Antibody

**Catalog #** 20073  
**Lot #** 1420001  
**Product type** Primary antibodies

<table>
<thead>
<tr>
<th>Form</th>
<th>Lyophilized whole serum (100 µL)</th>
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</thead>
<tbody>
<tr>
<td>Host</td>
<td>Rabbit</td>
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<tr>
<td>Reacts With</td>
<td>Chick, Hamster, Human, Minnow, Mouse, Newt, Pigeon, Quail, Rabbit, Ram, Rat, Sheep</td>
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**Clonality** Polyclonal  
**Isotype** IgG  
**Preservative** ≤ 0.09% sodium azide  
**Antigen** Synthetic (human) bombesin coupled to BTg with glutaraldehyde.

### INSTRUCTIONS

**Preparation**
Do not reconstitute until ready to use since the product is most stable when lyophilized. The product does not need to be kept cooled during shipping; however, for long-term storage, store lyophilized antibody until ready to use at -15°C or lower. Reconstitute with 100 µL of distilled or deionized water. After reconstitution, use immediately or refrigerate at 2º–8ºC. To avoid freeze/thaw cycles, dilute unused antibody with PBS or Tris buffer at a dilution no higher than 1/10, then aliquot and freeze at -15°C or lower.

Refer to the Instruction Manual available online at www.immunostar.com for information on tissue preparation, immunostaining techniques, troubleshooting, and formulas.

### APPLICATION

**IHC Quality Control**
The ImmunoStar Bombesin antiserum was quality control tested using standard immunohistochemical methods. The antiserum demonstrates significant labeling of rat dorsal horn of spinal cord using indirect immunofluorescent and biotin/avidin-HRP techniques. Staining is completely eliminated by pretreatment of 1 mL of diluted antibody with 50 µg of bombesin.

**Tissue** Rat spinal cord dorsal horn  
**Absorption control** Bombesin, 50 µg/mL diluted serum.

**Perfusion Fixation**
- Fixation: 4% paraformaldehyde in 0.1M Phosphate buffer, pH 7.4; 500 mL over 20 min.
- Post Fixation: 1.5 hour at 4°C in 4% paraformaldehyde in 0.1M phosphate buffer, pH 7.4.

**Sections** 10 µm cryostat  
**Tissue Incubation** 18–24 hours at 2º–8ºC.

**Detection System** Use Cy3 or Bn/AV-HRP according to manufacturers’ directions.

**Suggested Dilution** 1/1,000–1/2,000 in PBS/0.3% Triton X-100 – Bn/Av-HRP immunohistochemistry

### NOTES

**Special Instructions** It is recommended that the researcher perform a primary antibody dilution series using our dilution recommendations as a guideline. Note that a change in the fixation or buffering system from our protocol may change the configuration of the protein which could alter the reactivity with the tissue tested.

**Storage** After reconstitution, use immediately or refrigerate at 2º–8ºC up to 2 days. For long-term storage, aliquot and freeze at -15°C or lower. Avoid repeated freeze/thaw cycles.

**Concentration** Not applicable. Antibody concentration is only relevant for purified antibodies.

**Journal References** www.immunostar.com/publications