### CRF (Corticotropin Releasing Factor) Antibody

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>20084</th>
<th>Product type</th>
<th>Primary antibodies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lot #</td>
<td>533038</td>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Form</td>
<td>Lyophilized whole serum (100 µL)</td>
<td>Isotype</td>
<td>IgG</td>
</tr>
<tr>
<td>Host</td>
<td>Rabbit</td>
<td>Preservative</td>
<td>≤ 0.09% sodium azide</td>
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<tr>
<td>Reacts With</td>
<td>Mouse, Rat, Salmon, Turtle</td>
<td>Antigen</td>
<td>Synthetic Ovine CRF</td>
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#### 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 CRF antiserum was quality control tested using standard immunohistochemical methods. The antiserum demonstrates significant labeling of rat median eminence using indirect immunofluorescent and biotin/avidin-HRP techniques. Immunolabeling is completely abolished by preadsorption with synthetic CRF at 100 µg per mL of diluted antibody.

<table>
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<tr>
<th>Tissue</th>
<th>Rat median eminence</th>
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</thead>
</table>

**Absorption Control**
CRF 100 µg/mL diluted serum

**Perfusion Fixation**
- Fixative: 4% paraformaldehyde in 0.1 M Phosphate buffer, pH 7.4; 500 mL over 20 min.
- Post Fixation: 1.5 hour at 4°C in 4% paraformaldehyde in 0.1 M phosphate buffer, pH 7.4.
- Note: If needed, low levels of glutaraldehyde (0.1–0.3%) may be used in conjunction with paraformaldehyde.

**Sections**
10 µm cryostat or 50 µm vibratome

**Tissue Incubation**
18–24 hours at 2º–8ºC

**Detection System**
Use Cy3 or Bn/Av-HRP at dilutions recommended by the manufacturers.

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

**Detection of CRF cell bodies**
Requires animal pretreatment such as colchicine or adrenalectomy

#### 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