### Neuromedin U (NmU) Antibodies

<table>
<thead>
<tr>
<th>Cat.</th>
<th>Description</th>
<th>Antigen</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>NMU41-S</td>
<td>Rabbit Anti-Human/rat/Mouse NMU antiserum # 1</td>
<td>Rabbit</td>
<td>100 ul</td>
</tr>
<tr>
<td>NMU41-A</td>
<td>Rabbit Anti-Human/rat/Mouse NMU IgG # 1 (aff pure)</td>
<td>Rabbit</td>
<td>100 ug</td>
</tr>
<tr>
<td>NMU41-P</td>
<td>Human/Mouse/Rat NMU Control/blocking peptide # 1</td>
<td>Mouse/Rat</td>
<td>100 ug</td>
</tr>
</tbody>
</table>

**Affinity pure IgG**
- 100 ug/100ul solution
- lyophilized powder

**Supplied in Buffer:** PBS+0.1% BSA

**Reconstitute powder in PBS at 1mg/ml**

**Control/blocking peptide**
- 100 ug/100 ul solution
- lyophilized powder

**Supplied in Buffer:** PBS pH 7.5.

**Reconstitute powder in PBS at 1 mg/ml.**

**Storage**
- Short-term: unopened, undiluted liquid vials at -20OC and powder at 4OC or -20OC.
- Long-term: at –20OC or below in suitable aliquots after reconstitution. Do not freeze and thaw and store working, diluted solutions.

**Stability:** 6-12 months at –20OC or below.

**Shipping:** 4OC for solutions and room temp for powder

**Recommended Usage**
- **Western Blotting:** (1:1K-5K for neat serum and 1-10 ug/ml for affinity pure using Chemiluminescence technique).
- **ELISA** (1:100K; using 50-100 ng control peptide/well).

**Histochemistry & Immunofluorescence:** Not tested. we recommend the use of affinity purified antibody at 2-20 ug/ml in formaldehyde fixed tissue.

**Specificity & Cross-reactivity**

The three individual control immunogenic NmU peptides (NMU51-P, NMU61-P, and NMU71-P) do not share significant sequence homology with each other. Since the antibodies are made to a mixture of NmU peptides, the antibodies have reactivity with mouse, rat, and human NmU as confirmed by ELISA using full length NmU from the respective species. Antibody cross-reactivity in various other species has not been studied. Control peptides, because of its small size (2-3 kDa), is not recommended for Western. It should be used in ELISA or antibody blocking experiments to demonstrate antibody specificity. **Full length rat 23-aa NmU** (Cat # NMU61-P), human 25-aa (Cat # NMU62-P), and mouse 23-aa NmU (Cat # NMU72-P) are also available to study antibody reactivity by ELISA.

**General References:**

*This product is for in vitro research use only.

**Some New Antibodies from ADI...**
- Neuromedin U, NMu and NMUR1-R2

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**Form & Storage of Antibodies/Peptide Control**

<table>
<thead>
<tr>
<th>Antiserum (unpurified)</th>
<th>100ul</th>
<th>solution</th>
<th>lyophilized powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplied 0.05% azide, reconstitute powder in 100 ul PBS</td>
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- Web Site: www.4adi.com