**Human/Rat M-Ras/R-Ras3 Antibody**

**Antigen Affinity-purified Polyclonal Goat IgG**

Catalog Number: AF3606

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**DESCRIPTION**

**Species Reactivity** Human/Rat

**Specificity** Detects human and rat M-Ras/R-Ras3 in Western blots. Does not detect recombinant human R-Ras or TC21 (R-Ras2).

**Source** Polyclonal Goat IgG

**Purification** Antigen Affinity-purified

**Immunogen** E. coli-derived recombinant human M-Ras

Met1-Leu208 (Lys181Glu)

Accession # O14807

**Formulation** Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

*Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

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**APPLICATIONS**

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

<table>
<thead>
<tr>
<th>Recommended Concentration</th>
<th>Sample</th>
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<tbody>
<tr>
<td>Western Blot</td>
<td>2 μg/mL</td>
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**DATA**

**Western Blot**

Detection of Human and Rat M-Ras/R-Ras3 by Western Blot. Western blot shows lysates of L6 rat myoblast cell line. PVDF membrane was probed with 2 μg/mL Goat Anti-Human/Rat M-Ras/R-Ras3 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3606) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). For additional reference, recombinant human R-Ras, TC21/R-Ras2, and M-Ras/R-Ras3 (2 ng/lane) were included. A specific band for M-Ras/R-Ras3 was detected at approximately 24 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

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**PREPARATION AND STORAGE**

**Reconstitution** Reconstitute at 0.2 mg/mL in sterile PBS.

**Shipping** The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

**Stability & Storage** Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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**BACKGROUND**

Muscle Ras (M-Ras), also known as R-Ras3, is a small GTP-binding protein of the Ras superfamily of GTPases. M-Ras comprises an R-Ras subfamily with fellow members R-Ras and TC21 (R-Ras2). While highly homologous elsewhere, M-Ras differs at its carboxyl terminus from both R-Ras and TC21, suggesting this GTPase may interact with novel signaling effectors.