Purified Mouse Anti-Ral A

Material Number: 610221
Size: 50 µg
Concentration: 250 µg/ml
Clone: 8/Ral A
Immunogen: Human Ral A aa. 35-206
Isotype: Mouse IgG2a, κ
Reactivity: QC Testing: Rat
Target MW: Tested in Development: Dog, Chicken
         24-28 kDa
Storage Buffer: Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.

Description
Ral is a low molecular weight GTP-binding protein belonging to the Ras superfamily of GTP-binding proteins and shows 50% amino acid identity to Ras. Ral cDNA clones have been isolated from human placenta, human pheochromocytoma, simian β-lymphocyte, and marine ray electric lobe cDNA libraries. In humans, cDNA sequences for Ral A and RalB have been determined. The predicted amino acid sequences show 85% identity. Both proteins consist of 206 amino acids with a predicted molecular weight of 24kDa. However, Ral A isolated from human platelets shows an apparent molecular weight of 26-28kDa. Ral A mRNA levels in adult mouse tissues appear to be highest in testes, ovary, and brain, with lower levels found in the liver, spleen, kidney, thymus, heart, and salivary glands. Similar results have been observed in rat tissues.

Preparation and Storage
Store undiluted at -20°C.
The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Application Notes

<table>
<thead>
<tr>
<th>Application</th>
<th>Routinely Tested</th>
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<tbody>
<tr>
<td>Western blot</td>
<td></td>
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<tr>
<td>Immunofluorescence</td>
<td>Tested During Development</td>
</tr>
<tr>
<td>Immunohistochemistry-formalin (antigen retrieval required)</td>
<td>Tested During Development</td>
</tr>
<tr>
<td>Immunoprecipitation</td>
<td>Not Recommended</td>
</tr>
</tbody>
</table>

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### Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
</tr>
</thead>
<tbody>
<tr>
<td>611463</td>
<td>Rat Cerebrum Lysate</td>
<td>500 µg</td>
<td>(none)</td>
</tr>
<tr>
<td>554001</td>
<td>FITC Goat Anti-Mouse Ig</td>
<td>0.5 mg</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>554002</td>
<td>HRP Goat Anti-Mouse Ig</td>
<td>1.0 ml</td>
<td>(none)</td>
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</tbody>
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### Product Notices
1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
3. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

### References


