

## DESCRIPTION

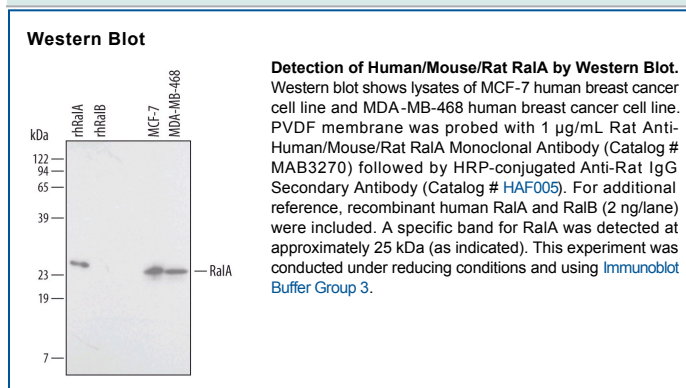
|                           |   |
|---------------------------|---|
| <b>Species Reactivity</b> | Human/Mouse/Rat   |
| <b>Specificity</b>        | Detects human, mouse, and rat RalA in Western blots. In Western blots, no cross-reactivity with recombinant human RalB is observed. |
| <b>Source</b>             | Monoclonal Rat IgG <sub>2A</sub> Clone # 399527   |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant  |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human RalA<br>Met1-Leu206<br>Accession # P11233   |
| <b>Formulation</b>        | Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.                         |

## 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.

|                     | Recommended Concentration | Sample    |
|---------------------|---------------------------|-----------|
| <b>Western Blot</b> | 1 μg/mL                   | See Below |

## DATA



## PREPARATION AND STORAGE

|                                |  |
|--------------------------------|--|
| <b>Reconstitution</b>          | Reconstitute at 0.5 mg/mL in sterile PBS.  |
| <b>Shipping</b>                | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.  |
| <b>Stability &amp; Storage</b> | <b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul> |

## BACKGROUND

The Ras-like proteins RalA and RalB share 85% identity and constitute a grouping within the Ras superfamily of small GTPases. Like other GTPases, Ral proteins transduce signals by cycling between an active GTP-bound and an inactive GDP-bound state. Ral functions as an effector of Ras-mediated signaling, and has been implicated in the regulation of vesicle trafficking and cell morphology.