

## Phospho-Raf (Ser259) Polyclonal Antibody

**CATALOG #:** 3504-100

**AMOUNT:** 100 µg

**LOT #:** \_\_\_\_\_

**HOST:** Rabbit

### FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-Phospho-Raf (Ser259) polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

**SPECIES REACTIVITY:** human, mouse, rat

### STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

### BACKGROUND:

c-Raf is a mitogen-activated protein kinase. Binding of Raf to 14-3-3 is required for c-Raf kinase activity, and also blocks the ability of phosphatase to inhibit c-Raf. 14-3-3 binds c-Raf at two phospho-serine residues: Ser259 and Ser621. Mutation of Ser259 to alanine constitutively activates Raf kinase activity, but mutation of Ser621 to alanine results in an inactive kinase.

### APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-4 µg/ml) and immunohistochemistry (20-40 µg/ml). However, the optimal conditions should be determined individually.

**SPECIFICITY:** The antibody detects ~74 kDa c-Raf when phosphorylated at Ser259.

**FOR RESEARCH USE ONLY! NOT TO BE USED IN HUMANS.**

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- Membrane Protein Extraction Kit
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- Mammalian Cell Extraction Kit
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