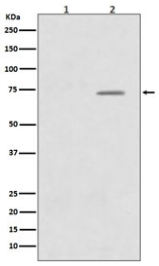
# Phospho-Raf1 Antibody (pS43) [clone ICO-18] (RQ5030)

| Catalog No. | Formulation | Size |
|---|---|---|
| RQ5030 | Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA | 100 ul |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-2 weeks |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Rabbit Monoclonal |
| **Isotype** | Rabbit IgG |
| **Clone Name** | ICO-18 |
| **Purity** | Affinity purified |
| **UniProt** | P04049 |
| **Applications** | Western blot: 1:500-1:1000 |
| **Limitations** | This phospho-Raf1 antibody is available for research use only. |




Western blot testing of human HeLa cells 1) untreated and 2) treated with LP, with phospho-Raf1 antibody. Predicted molecular weight ~73 kDa.

## Description

Serine/threonine-protein kinase that acts as a regulatory link between the membrane-associated Ras GTPases and the MAPK/ERK cascade, and this critical regulatory link functions as a switch determining cell fate decisions including proliferation, differentiation, apoptosis, survival and oncogenic transformation. RAF1 activation initiates a mitogen-activated protein kinase (MAPK) cascade that comprises a sequential phosphorylation of the dual-specific MAPK kinases (MAP2K1/MEK1 and MAP2K2/MEK2) and the extracellular signal-regulated kinases (MAPK3/ERK1 and MAPK1/ERK2). [UniProt]

## Application Notes

Optimal dilution of the phospho-Raf1 antibody should be determined by the researcher.

## Immunogen

A synthetic peptide specific to human Raf1 (surrounding pS43) was used as the immunogen for the phospho-Raf1 antibody.

## Storage

Store the phospho-Raf1 antibody at -20oC.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