

## Rabbit anti-Human Raf1-S621 Monoclonal Antibody | anti-RAF1 antibody

Phospho-Raf1-S621 Rabbit mAb

|                               |                       |                            |                                            |
|-------------------------------|-----------------------|----------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA283119</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|--------------------------------------------|

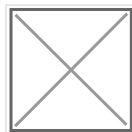
### PRODUCT SYNONYMS

Raf1-S621; Monoclonal Antibody; Phospho-Raf1-S621 Rabbit mAb; NS5; CRAF; Raf-1; c-Raf; CMD1NN; Phospho-Raf1-S621; anti-RAF1 antibody

### PRODUCT SPECIFICATIONS

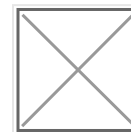
|                                                |                                                                                     |
|------------------------------------------------|-------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                              |
| Reactivity                                     | Human                                                                               |
| Clonality                                      | Monoclonal                                                                          |
| Isotype                                        | IgG                                                                                 |
| Purity/Purification                            | Affinity purification                                                               |
| Form/Format                                    | PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.                        |
| Sequence                                       | SASEP                                                                               |
| Applicable Applications for anti-RAF1 antibody | ELISA, WB (Western Blot)                                                            |
| Cross Reactivity                               | Human, Rat                                                                          |
| Immunogen                                      | A synthetic phosphorylated peptide around S621 of human Phospho-Raf1-S621 (P04049). |
| Modification                                   | Phospho S621                                                                        |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze/thaw cycles.                                    |

### IMAGES



#### WB (Western Blot)

Western blot analysis of lysates from HeLa cells, using Phospho-Raf1-S621 Rabbit mAb (AAA283119) at 1:1000 dilution. HeLa cells were treated by CIP(20uL/400ul) at 37? for 1 hour.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% BSA.Detection: ECL Enhanced Kit (RM00021).Exposure time: 3min.



#### WB (Western Blot)

Western blot analysis of lysates from C6 cells, using Phospho-Raf1-S621 Rabbit mAb (AAA283119) at 1:1000 dilution. C6 cells were treated by CIP(20uL/400ul) at 37? for 1 hour.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% BSA.Detection: ECL Basic Kit (RM00020).Exposure time: 3min.

### ADDITIONAL INFORMATION

#### Related Product Information for anti-RAF1 antibody

This gene is the cellular homolog of viral raf gene (v-raf). The encoded protein is a MAP kinase kinase kinase (MAP3K), which functions downstream of the Ras family of membrane associated GTPases to which it binds directly. Once activated, the cellular RAF1 protein can phosphorylate to activate the dual specificity protein kinases MEK1 and MEK2, which in turn phosphorylate to activate the serine/threonine specific protein kinases, ERK1 and ERK2. Activated ERKs are pleiotropic effectors of cell physiology and play an important role in the control of gene expression involved in the cell division cycle, apoptosis, cell differentiation and cell migration. Mutations in this gene are associated with Noonan syndrome 5 and LEOPARD syndrome 2.

**Product Categories/Family for anti-RAF1 antibody**

Protein phosphorylation; Cancer; Signal Transduction; G protein signaling; G-Protein-Coupled Receptors Signaling to MAPK Erk; Kinase; Serine threonine kinases; ErbB-HER Signaling Pathway; MAPK-Erk Signaling Pathway; Cell Biology Developmental Biology; Apo

## NCBI AND UNIPROT INFORMATION

|                            |                                                    |
|----------------------------|----------------------------------------------------|
| NCBI GI #                  | 4506401                                            |
| NCBI GeneID                | 5894                                               |
| NCBI Accession #           | NP_002871.1                                        |
| NCBI GenBank Nucleotide #  | NM_002880.3                                        |
| UniProt Accession #        | P04049; Q15278; Q9UC20; B0LPH8; B2R5N3             |
| Molecular Weight           | Calculated MW: 73kDa<br>Observed MW: 73kDa         |
| UniProt Protein Name       | RAF proto-oncogene serine/threonine-protein kinase |
| UniProt Gene Name          | <b>RAF1</b>                                        |
| UniProt Synonym Gene Names | RAF; cRaf                                          |
| UniProt Entry Name         | RAF1_HUMAN                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/raf1-s621-antibody-western-blot-elisa/283119>