

## B-RAF Antibody | anti-B-RAF antibody

B-RAF (Phospho-Ser602) Antibody

|                               |                                        |                                                                  |
|-------------------------------|----------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA111554</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------------------------|------------------------------------------------------------------|

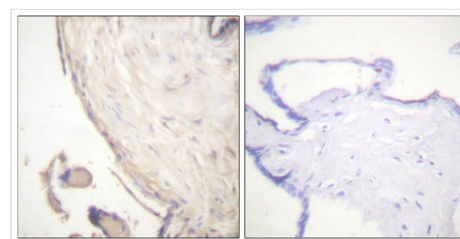
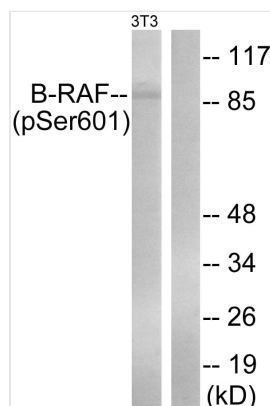
### PRODUCT SYNONYMS

B-RAF; B-RAF (Phospho-Ser602) Antibody; B-RAF proto-oncogene serine/threonine-protein kinase; B-Raf proto-oncogene serine/threonine-protein kinase; BRAF; BRAF1; EC 2.7.1.37; EC 2.7.11.1; RAFB1; RMIL; RMIL serine/threonine-protein kinase; c-RMIL; kinase B-Raf; p94; v-Raf murine sarcoma viral oncogene homolog B1; anti-B-RAF antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                     |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                                                                   |
| Specificity                                     | B-Raf (Phospho-Ser602) antibody detects endogenous levels of B-Raf only when phosphorylated at serine 602.                                                                                                                                          |
| Purity/Purification                             | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                     | In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                                      |
| Sequence Length                                 | 766                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-B-RAF antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                |
| Immunogen                                       | The antiserum was produced against synthesized phosphopeptide derived from human B-Raf around the phosphorylation site of serine 602 (V-K-SP-R-W).                                                                                                  |
| All Sites                                       | Human: Ser602<br>Mouse: Ser639<br>Rat: Ser639                                                                                                                                                                                                       |
| Preparation and Storage                         | Store at -20 degree C for 1 year.                                                                                                                                                                                                                   |

### IMAGES



Application Data  
P-peptide-+

#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human placenta tissue using B-Raf (Phospho-Ser602) antibody. Western blot analysis of extracts from NIH-3T3 cells, treated with EGF (200ng/ml, 30mins), using B-Raf (Phospho-Ser602) antibody.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                        |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-B-RAF antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells                      |
| References                                        | Armelle Calipel, J. Biol. Chem., Oct 2003; 278: 42409-42418. Tara J. Dillon, J. Biol. Chem., Sep 2003; 278: 35940-35949. R K Jaiswal, Mol. Cell. Biol., Oct 1994; 14: 6944-6953. Laura L. Dugan, J. Biol. Chem., Sep 1999; 274: 25842. |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 33188459                                                                                       |
| NCBI GeneID                      | 673                                                                                            |
| NCBI Accession #                 | NP_004324.2                                                                                    |
| NCBI GenBank Nucleotide #        | NM_004333.5                                                                                    |
| UniProt Accession #              | P15056; Q13878; Q3MIN6; Q9UDP8; Q9Y6T3; A4D1T4; B6HY61; B6HY62; B6HY63; B6HY64; B6HY65; B6HY66 |
| Molecular Weight                 | 84,437 Da                                                                                      |
| NCBI Official Full Name          | serine/threonine-protein kinase B-raf isoform 1                                                |
| NCBI Official Synonym Full Names | B-Raf proto-oncogene, serine/threonine kinase                                                  |
| NCBI Official Symbol             | BRAF                                                                                           |
| NCBI Official Synonym Symbols    | NS7; B-raf; BRAF1; RAFB1; B-RAF1                                                               |
| NCBI Protein Information         | serine/threonine-protein kinase B-raf                                                          |
| UniProt Protein Name             | Serine/threonine-protein kinase B-raf                                                          |
| UniProt Gene Name                | <b>BRAF</b>                                                                                    |
| UniProt Synonym Gene Names       | BRAF1; RAFB1                                                                                   |

**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.