

## Rabbit anti-Human, Mouse RAC2 Polyclonal Antibody | anti-RAC2 antibody

RAC2 Antibody

|                               |                       |                                   |                                                           |
|-------------------------------|-----------------------|-----------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA309381</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>Western Blot, Immunohistochemistry</b> |
|-------------------------------|-----------------------|-----------------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

RAC2; Polyclonal Antibody; RAC2 Antibody; Gx; EN-7; HSPC022; p21-Rac2; anti-RAC2 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                 |
|------------------------------------------------|-----------------------------------------------------------------|
| Host                                           | Rabbit                                                          |
| Reactivity                                     | Human, Mouse                                                    |
| Clonality                                      | Polyclonal                                                      |
| Specificity                                    | The antibody detects endogenous levels of total RAC2 protein.   |
| Purity/Purification                            | Antigen affinity purification                                   |
| Form/Format                                    | Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol. |
| Concentration                                  | 5.2mg/ml (varies by lot)                                        |
| Sequence Length                                | 192                                                             |
| Applicable Applications for anti-RAC2 antibody | WB (Western Blot), IHC (Immunohistochemistry)                   |
| Immunogen                                      | Synthetic peptide of human RAC2                                 |
| Immunogen Type                                 | Peptide                                                         |
| Preparation and Storage                        | Store at -20 degree C                                           |

### IMAGES



#### IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using RAC2 Antibody at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification: x200)



#### SDS-PAGE

Gel: 12%SDS-PAGE Lysate: 40 ug, Lane: Mouse heart tissue lysate, Primary antibody:RAC2 antibody at dilution 1/300, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 2 minutes

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-RAC2 antibody | This gene encodes a member of the Ras superfamily of small guanosine triphosphate (GTP)-metabolizing proteins. The encoded protein localizes to the plasma membrane, where it regulates diverse processes, such as secretion, phagocytosis, and cell polarization. Activity of this protein is also involved in the generation of reactive oxygen species. Mutations in this gene are associated with neutrophil immunodeficiency syndrome. There is a pseudogene for this gene on chromosome 6. |
| Product Categories/Family for anti-RAC2 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------|
| NCBI GI #                        | 4506381                                                                                 |
| NCBI GeneID                      | 5880                                                                                    |
| NCBI Accession #                 | NP_002863.1                                                                             |
| NCBI GenBank Nucleotide #        | NM_002872.4                                                                             |
| UniProt Accession #              | P15153; Q9UDJ4; AAB22207                                                                |
| Molecular Weight                 | 21,429 Da                                                                               |
| NCBI Official Full Name          | ras-related C3 botulinum toxin substrate 2                                              |
| NCBI Official Synonym Full Names | ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2) |
| NCBI Official Symbol             | RAC2                                                                                    |
| NCBI Official Synonym Symbols    | Gx; EN-7; HSPC022; p21-Rac2                                                             |
| NCBI Protein Information         | ras-related C3 botulinum toxin substrate 2                                              |
| UniProt Protein Name             | Ras-related C3 botulinum toxin substrate 2                                              |
| UniProt Gene Name                | <b>RAC2</b>                                                                             |
| UniProt Entry Name               | RAC2_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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