

## Rabbit HRAS Polyclonal Antibody | anti-HRAS antibody

HRAS Rabbit Polyclonal Antibody

|                               |                       |                                        |                                                         |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA313286</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|

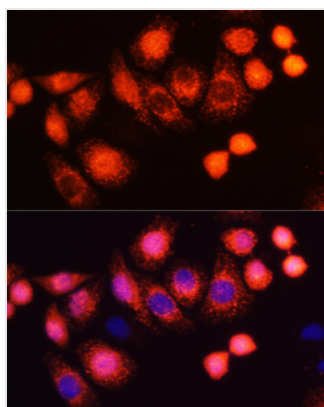
### PRODUCT SYNONYMS

HRAS; Polyclonal Antibody; HRAS Rabbit Polyclonal Antibody; C-BAS/HAS; C-H-RAS; C-HA-RAS1; CTLO; H-RASIDX; HAMSIV; HRAS1; RASH1; p21ras; GTPase HRAS; anti-HRAS antibody

### PRODUCT SPECIFICATIONS

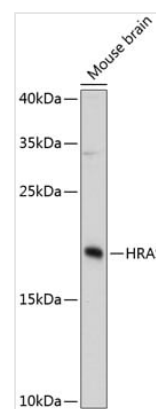
|                                                |                                                           |
|------------------------------------------------|-----------------------------------------------------------|
| Host                                           | Rabbit                                                    |
| Reactivity                                     | Human, Mouse, Rat                                         |
| Clonality                                      | Polyclonal                                                |
| Isotype                                        | IgG                                                       |
| Purity/Purification                            | Affinity purification                                     |
| Form/Format                                    | Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |
| Applicable Applications for anti-HRAS antibody | IF (Immunofluorescence), WB (Western Blot)                |
| Immunogen                                      | Recombinant fusion protein of human HRAS (NP_005334.1).   |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze/thaw cycles.          |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using HRAS at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



#### WB (Western Blot)

Western blot analysis of extracts of mouse brain, using HRAS at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-HRAS antibody | This gene belongs to the Ras oncogene family, whose members are related to the transforming genes of mammalian sarcoma retroviruses. The products encoded by these genes function in signal transduction pathways. These proteins can bind GTP and GDP, and they have intrinsic GTPase activity. This protein undergoes a continuous cycle of de- and re-palmitoylation, which regulates its rapid exchange between the plasma membrane and the Golgi apparatus. Mutations in this gene cause Costello syndrome, a disease characterized by increased growth at the prenatal stage, growth deficiency at the postnatal stage, predisposition to tumor formation, mental retardation, skin and musculoskeletal abnormalities, distinctive facial appearance and cardiovascular abnormalities. Defects in this gene are implicated in a variety of cancers, including bladder cancer, follicular thyroid cancer, and oral squamous cell carcinoma. Multiple transcript variants, which encode different isoforms, have been identified for this gene. |
| Product Categories/Family for anti-HRAS antibody   | Primary Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 190938                                                                                                                                                                                                                                                           |
| NCBI GeneID                      | 3265                                                                                                                                                                                                                                                             |
| UniProt Accession #              | P01112; Q14080; Q6FHV9; Q9BR65; Q9UCE2; B5BUA0                                                                                                                                                                                                                   |
| Molecular Weight                 | 21,298 Da                                                                                                                                                                                                                                                        |
| NCBI Official Full Name          | ras protein, partial                                                                                                                                                                                                                                             |
| NCBI Official Synonym Full Names | Harvey rat sarcoma viral oncogene homolog                                                                                                                                                                                                                        |
| NCBI Official Symbol             | HRAS                                                                                                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | CTLO; HAMSVM; HRAS1; K-RAS; N-RAS; RASH1; C-H-RAS; H-RASIDX; C-BAS/HAS; C-HA-RAS1                                                                                                                                                                                |
| NCBI Protein Information         | GTPase HRas; p21ras; H-Ras-1; p19 H-RasIDX protein; c-has/bas p21 protein; transforming protein p21; Ha-Ras1 proto-oncoprotein; c-ras-Ki-2 activated oncogene; GTP- and GDP-binding peptide B; transformation gene: oncogene HAMSVM; Ras family small GTP bindin |
| UniProt Protein Name             | GTPase HRas                                                                                                                                                                                                                                                      |
| UniProt Gene Name                | HRAS                                                                                                                                                                                                                                                             |
| UniProt Synonym Gene Names       | HRAS1                                                                                                                                                                                                                                                            |
| UniProt Entry Name               | RASH_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.