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# GTPase HRAS Antibody

Rabbit mAb
Catalog # AP90270

## Product Information

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| **Application** | WB, IF, FC, ICC, IP |
| **Primary Accession** | P01112 |
| **Reactivity** | Rat, Human, Mouse |
| **Clonality** | Monoclonal |
| **Other Names** | GTPase HRas; H-Ras-1; Ha-Ras; Transforming protein p21; c-H-ras; p21ras; HRAS; HRAS1; GTPase NRas; Transforming protein N-Ras; NRAS; HRAS1; GTPase KRas; K-Ras 2; Ki-Ras; c-K-ras; c-Ki-ras; GTPase KRas; KRAS; KRAS2, RASK2 |
| **Isotype** | Rabbit IgG |
| **Host** | Rabbit |
| **Calculated MW** | 21298 |

## Additional Information

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| **Dilution** | WB 1:500~1:2000 ICC/IF 1:50~1:200 IP 1:50 FC 1:30 |
| **Purification** | Affinity-chromatography |
| **Immunogen** | A synthesized peptide derived from human GTPase HRAS |
| **Description** | The KRAS gene encodes the human cellular homolog of a transforming gene isolated from the Kirsten rat sarcoma virus. The RAS proteins are GDP/GTP-binding proteins that act as intracellular signal transducers. The most well-studied members of the RAS (derived from 'RAt Sarcoma' virus) gene family include KRAS, HRAS, and NRAS. These genes encode immunologically related proteins with a molecular mass of 21 kD and are homologs of rodent sarcoma virus genes that have transforming abilities. |
| **Storage Condition and Buffer** | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

## Protein Information

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| **Name** | HRAS |
| **Synonyms** | HRAS1 |
| **Function** | Involved in the activation of Ras protein signal transduction (PubMed:22821884). Ras proteins bind GDP/GTP and possess intrinsic GTPase activity (PubMed:12740440, PubMed:14500341, PubMed:9020151). |
| **Cellular Location** | Cell membrane {ECO:0000250\|UniProtKB:P20171}; Lipid-anchor; Cytoplasmic side. Golgi apparatus. Golgi apparatus membrane; Lipid-anchor. Note=The active GTP-bound form is localized most strongly to membranes than the |

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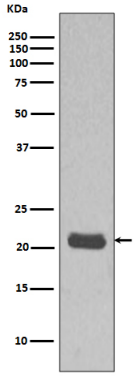
|---|---|
| | inactive GDP-bound form (By similarity). Shuttles between the plasma membrane and the Golgi apparatus. |
| **Tissue Location** | Widely expressed.. |

## Images




Western blot analysis MCF7 cell lysate using HRAS Antibody.