

## Product datasheet for **TA372917S**

### p21 Ras (HRAS) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: A549 cell, Mouse brain tissue lysates IHC: 100-300 Positive control: Human colorectal cancer Predicted cell location: Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human HRAS
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	21 kDa
Gene Name:	Harvey rat sarcoma viral oncogene homolog
Database Link:	<a href="#">Entrez Gene 3265 Human P01112</a>



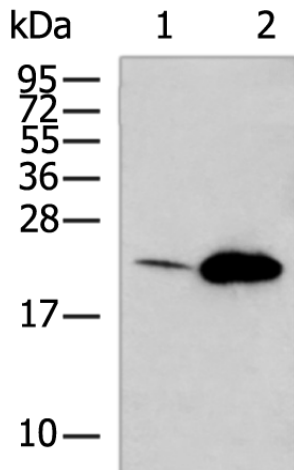
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**Background:**

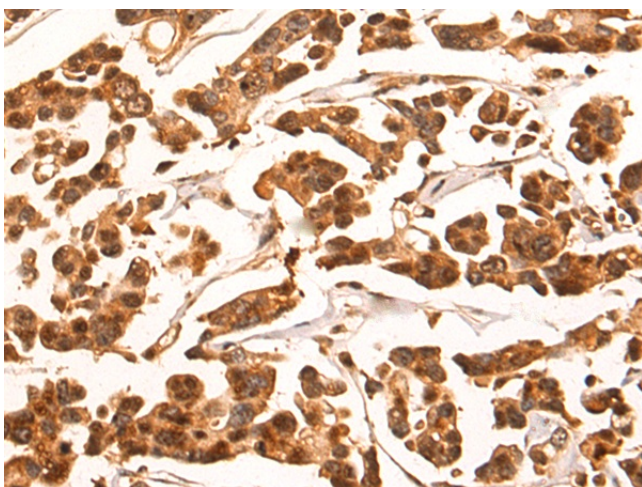
This gene belongs to the Ras oncogene family, whose members are related to the transforming genes of mammalian sarcoma retroviruses. The products encoded by these genes function in signal transduction pathways. These proteins can bind GTP and GDP, and they have intrinsic GTPase activity. This protein 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, cognitive disability, 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.

**Synonyms:**

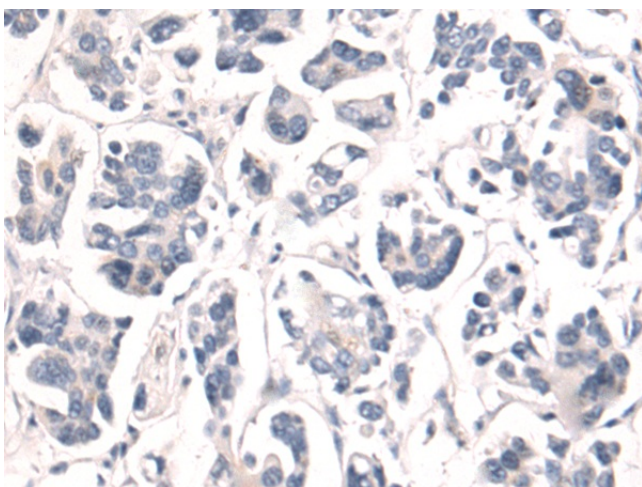
C-BAS/HAS; C-H-RAS; C-HA-RAS1; CTLO; H-Ras-1; H-RASIDX; Ha-Ras; HAMSIV; HRAS1; K-RAS; N-RAS; OTTHUMP00000162769; OTTHUMP00000166053; OTTHUMP00000166055; p21ras; RASH1

**Product images:**

Gel: 10%SDS-PAGE  
Lysate: 40 µg  
Lane 1-2: A549 cell  
Mouse brain tissue lysates  
Primary antibody: [TA372917] (HRAS Antibody) at dilution 1/400  
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution  
Exposure time: 90 seconds



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA372917] (HRAS Antibody) at dilution 1/50 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA372917] (HRAS Antibody) at dilution 1/50, treated with synthetic peptide. (Original magnification:  $\times 200$ )