

## HRAS Antibody

Catalog No: #31153

Package Size: #31153-1 50ul #31153-2 100ul

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## Description

Product Name	HRAS Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total HRAS protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from 60-74 amino acids of Human v-Ha-ras Harvey rat sarcoma viral oncogene homolog
Target Name	HRAS
Other Names	CTLO; HAMSIV; HRAS1; K-RAS; N-RAS; RASH1; C-H-RAS; H-RASIDIX; C-BAS/HAS; C-HA-RAS1
Accession No.	Swiss-Prot:P01112Gene ID:26762
Concentration	0.7mg/ml
Formulation	Supplied at 0.7mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.3, 0.05% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

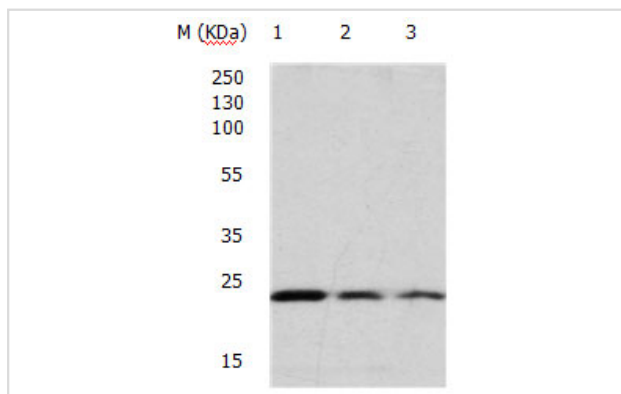
## Application Details

Predicted MW: 21kd

ELISA: 1:1000-1:5000

Western blotting: 1:200-1:1000

## Images



Gel: 10%SDS-PAGE

Lane1: HeLa cell lysate

Lane2: HepG2 cell lysate

Lane3: 231 cell lysate

Lysates: 30ug per lane

Primary antibody: 1/400 dilution

Secondary antibody: Donkey anti Rabbit IgG - H&amp;L (HRP) at

1/3000 dilution

Exposure time: 20 seconds

## 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, 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.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.