



[Go to Product page](#)

Datasheet for ABIN3031138  
**anti-HRAS antibody (AA 146-176)**

5 Images

Overview

Quantity:	0.4 mL
Target:	HRAS
Binding Specificity:	AA 146-176
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HRAS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	A portion of amino acids 146-176 from the human protein was used as the immunogen for this H-RAS antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Rat, Chicken
Purification:	Purified

Target Details

Target:	HRAS
Alternative Name:	H-RAS ( <a href="#">HRAS Products</a> )
Background:	This gene belongs to the Ras oncogene family, whose members are related to the transforming

## Target Details

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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.

UniProt: [P01112](#)

Pathways: [p53 Signaling](#), [MAPK Signaling](#), [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Hepatitis C](#), [Autophagy](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Signaling of Hepatocyte Growth Factor Receptor](#), [Regulation of long-term Neuronal Synaptic Plasticity](#), [VEGF Signaling](#), [BCR Signaling](#)

## Application Details

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Application Notes: Titration of the H-RAS antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Immunofluorescence: 1:10-1:50

Restrictions: For Research Use only

## Handling

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Format: Liquid

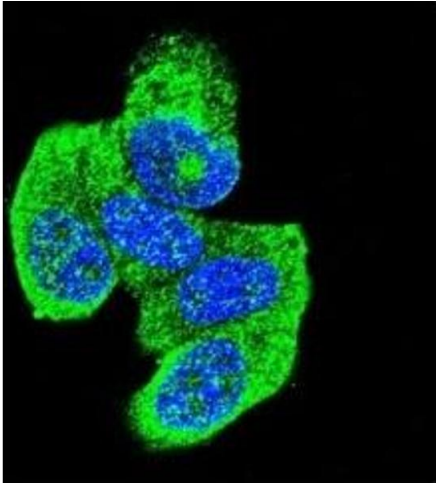
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

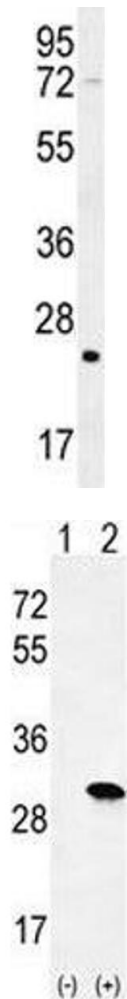
Storage: -20 °C

Storage Comment: Aliquot the H-RAS antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



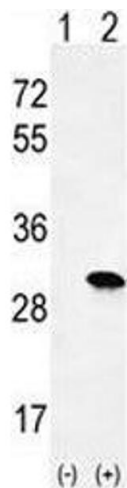
### Immunofluorescence

**Image 1.** Confocal immunofluorescent analysis of H-RAS antibody with MCF-7 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



### Western Blotting

**Image 2.** H-RAS antibody western blot analysis in mouse cerebellum tissue lysate. Predicted molecular weight ~ 21 kDa.



### Western Blotting

**Image 3.** Western blot analysis of H-RAS antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected (2) with the HRAS gene.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3031138.