

Datasheet for ABIN3029525
anti-HRAS antibody (AA 104-128)



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7 Images

Overview

Quantity:	0.4 mL
Target:	HRAS
Binding Specificity:	AA 104-128
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HRAS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A portion of amino acids 104-128 from the human protein was used as the immunogen for this HRAS antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Rat
Purification:	Purified

Target Details

Target:	HRAS
Alternative Name:	HRAS (HRAS Products)
Background:	HRAS belongs to the Ras oncogene family, whose members are related to the transforming

Target Details

genes of mammalian sarcoma retroviruses. These proteins function in signal transduction pathways. They can bind GTP and GDP, and they have intrinsic GTPase activity. HRAS 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 the HRAS gene are implicated in a variety of cancers, including bladder cancer, follicular thyroid cancer, and oral squamous cell carcinoma.

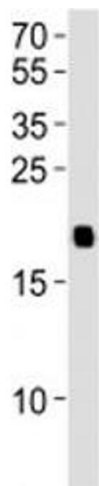
UniProt:	P01112
Pathways:	p53 Signaling , MAPK Signaling , RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Hepatitis C , Autophagy , Signaling Events mediated by VEGFR1 and VEGFR2 , Signaling of Hepatocyte Growth Factor Receptor , Regulation of long-term Neuronal Synaptic Plasticity , VEGF Signaling , BCR Signaling

Application Details

Application Notes:	Titration of the HRAS antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:500-1000,IHC (Paraffin): 1:10-1:50,Immunofluorescence: 1:10-1:50
Restrictions:	For Research Use only

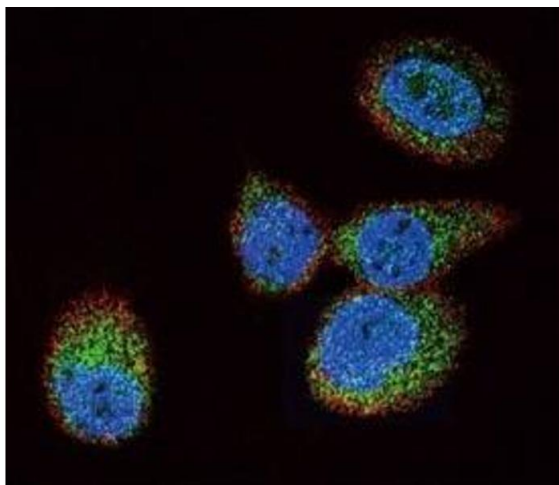
Handling

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 HRAS antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. Western blot analysis of lysate from 293T cell line using HRAS antibody diluted at 1:1000. Predicted molecular weight ~21 kDa.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of HRAS antibody with MCF-7 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 Phalloidin (red). DAPI was used as a nuclear counterstain (bl



Western Blotting

Image 3. Western blot analysis of HRAS antibody in Jurkat lysate. Predicted molecular weight ~21 kDa.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN3029525.