

Datasheet for ABIN655622
anti-HRAS antibody (C-Term)



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3 Images

Overview

Quantity:	400 µL
Target:	HRAS
Binding Specificity:	AA 146-176, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HRAS antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	This HRAS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 146-176 amino acids from the C-terminal region of human HRAS.
Clone:	RB14565
Isotype:	Ig Fraction
Predicted Reactivity:	C, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	HRAS
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Target Details

Alternative Name:	HRAS (HRAS Products)
Background:	<p>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.</p> <p>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.</p>
Molecular Weight:	21298
Gene ID:	3265
NCBI Accession:	NP_001123914 , NP_005334 , NP_789765
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:	IF: 1:10~50. WB: 1:1000. WB: 1:1000
Restrictions:	For Research Use only

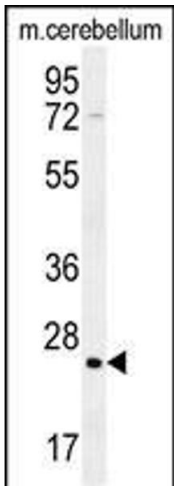
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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.

Handling

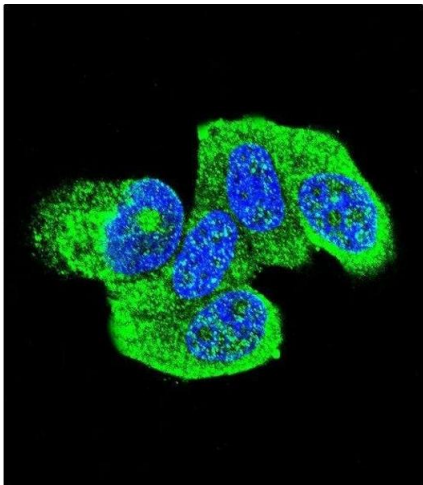
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Images



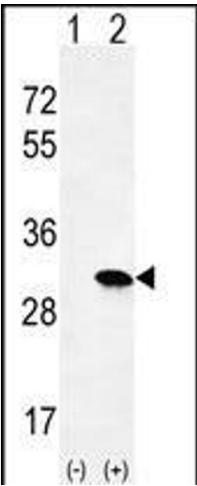
Western Blotting

Image 1. HRAS Antibody (C-term) (ABIN655622 and ABIN2845102) western blot analysis in mouse cerebellum tissue lysates (35 µg/lane).This demonstrates the HRAS antibody detected the HRAS protein (arrow).



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of HRAS Antibody (C-term) (ABIN655622 and ABIN2845102) with MCF-7 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).DI was used to stain the cell nuclear (blue).



Western Blotting

Image 3. Western blot analysis of HRAS (arrow) using rabbit polyclonal HRAS Antibody (C-term) (ABIN655622 and ABIN2845102). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the HRAS gene.