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anti-HRAS antibody (C-Term)





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	Overview	
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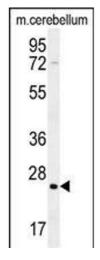
Target Details

Alternative Name:	HRAS (HRAS Products)	
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.	
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

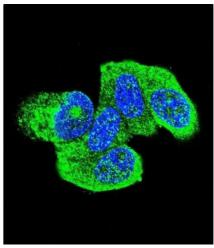
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months
Images	

Images



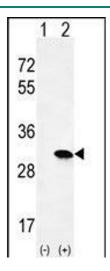
Western Blotting

Image 1. HRAS Antibody (C-term) (ABIN655622 and ABIN2845102) western blot analysis in mouse cerebellum tissue lysates (35 μ g/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 μ g/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the HRAS gene.