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Datasheet for ABIN7267785 anti-HRAS antibody

2 Images



### Overview

Quantity:	100 μL
Target:	HRAS
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This HRAS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Purpose:	HRAS Rabbit mAb
Immunogen:	A synthesized peptide derived from human HRAS.
lsotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

## Target Details

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

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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.
[provided by RefSeq, Jul 2008],C-BAS/HAS,C-H-RAS,C-HA-RAS1,CTLO,H-
RASIDX,HAMSV,HRAS1,RASH1,p21ras,GTPase HRAS,HRAS,Apoptosis,B Cell Receptor
Signaling Pathway,Cancer,Cell Biology & Developmental Biology,Cell Cycle,Cell Cycle_Cell
differentiation,Cytoskeleton,Cytoskeleton_Actins,Endocrine & Metabolism,Epigenetics & Nuclear
Signaling,ErbB-HER Signaling Pathway,G protein signaling,G protein signaling_G-Protein-
Coupled Receptors Signaling to MAPK/Erk,G protein signaling_Small G proteins,Immunology &
Inflammation,Insulin Receptor Signaling Pathway,MAPK-Erk Signaling Pathway,MAPK-JNK
Signaling Pathway, Signal Transduction, T Cell Receptor Signaling Pathway, Warburg Effect, HRAS
21kDa
3265
P01112
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
WB,1:500 - 1:2000,IHC,1:50 - 1:200
For Research Use only

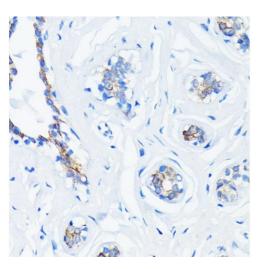
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

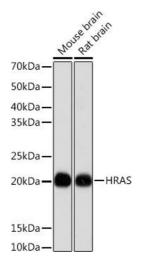
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## Handling

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:	Store at -20°C. Avoid freeze / thaw cycles.

Images





#### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human breast cancer using HRAS antibody (ABIN7267785) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

#### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using HRAS antibody (ABIN7267785) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.