DATASHEET

GTPase HRAS Rabbit Monoclonal Antibody(ARA522)

CAT. NO. ARA5852

KEY FEATURES

Target:	GTPase HRAS	**Clone ID:**	ARA522
Source/Host:	Rabbit	**Reactivity:**	Human
Clonality:	Monoclonal	**Applications:**	IHC
Storage:	at-20°C		

BACKGROUND

HRAS encodes GTPase HRas (H-Ras), a member of the Ras oncogene family related to the transforming genes of mammalian sarcoma retroviruses. H-Ras is a small GTPase that functions as a molecular switch in signal transduction: it alternates between an inactive GDP-bound form and an active GTP-bound form, and upon activation recruits and activates downstream effectors such as Raf kinases in the Ras-MAPK signaling pathway, regulating cell proliferation and survival in response to growth factor stimulation. The protein undergoes a continuous cycle of de- and re-palmitoylation that regulates its rapid exchange between the plasma membrane and the Golgi apparatus. Mutations in this gene cause Costello syndrome, and defects in HRAS are implicated in a variety of cancers, including bladder cancer, follicular thyroid cancer and oral squamous cell carcinoma.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IHC	1:500-1:1000

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

Description	Rabbit monoclonal antibody to GTPase HRAS
Antibody Type	Primary antibody,Recombinant
Immunogen	Synthetic peptide within Human GTPase HRAS aa 1-50.
Purification	Protein A affinity purified.
Molecular Weight	Predicted: 21 kD
Isotype	IgG
Form/Buffer	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Alternative Names	H-Ras-1; Ha-Ras; HRAS1; c-H-ras; p21ras; Transforming protein p21; CTLO; HAMSV; RASH1
Gene Symbol	HRAS
Entrez Gene	3265(Human)
SwissProt	P01112(Human)

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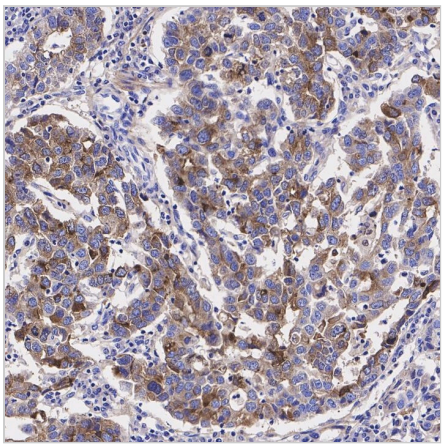
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA



Immunohistochemical analysis of paraffin-embedded human stomach carcinoma tissue with GTPase HRAS Rabbit Monoclonal Antibody(ARA522) at 1:1000 dilution. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0); detection with HRP conjugated compact polymer system, DAB chromogen; counterstained with hematoxylin.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com