10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NRAS Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22295a

Product Information

Application	WB, IHC-P, E
Primary Accession	P01111
Other Accession	Q2MJK3
Reactivity	Human, Rat, Mouse
Predicted	Pig, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB56819
Calculated MW	21229

Additional Information

Gene ID	4893
Other Names	GTPase NRas, Transforming protein N-Ras, NRAS, HRAS1
Target/Specificity	This NRAS antibody is generated from a rabbit immunized with arecombinant protein from the human region of human NRAS.
Dilution	WB~~1:2000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NRAS Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NRAS
Synonyms	HRAS1
Function	Signal transducer in the Ras-MAPK signaling pathway that regulates cell proliferation and survival (PubMed:30712867). Ras proteins bind GDP/GTP and possess intrinsic GTPase activity (PubMed:30712867). Recognized by

	LZTR1 that mediates its ubiquitination by a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex (PubMed:40934300).
Cellular Location	Cell membrane; Lipid-anchor; Cytoplasmic side. Golgi apparatus membrane; Lipid-anchor Note=Shuttles between the plasma membrane and the Golgi apparatus

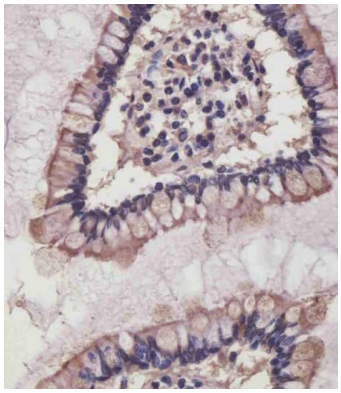
Background

Ras proteins bind GDP/GTP and possess intrinsic GTPase activity.

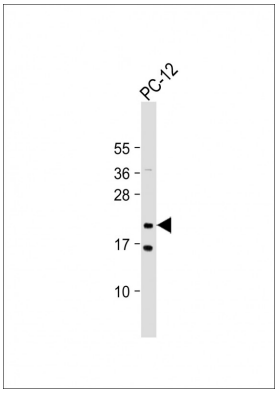
References

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Hall A.,et al.Nucleic Acids Res. 13:5255-5268(1985).
Brown R.,et al.EMBO J. 3:1321-1326(1984).
Yuasa Y.,et al.Proc. Natl. Acad. Sci. U.S.A. 81:3670-3674(1984).
Puhl H.L. III,et al.Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.

Images



AP22295a staining NRAS in human small intestine tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Anti-NRAS Antibody at 1:2000 dilution + PC-12 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 21 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.