

# NRAS Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP7745b

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P01111</a>
<b>Other Accession</b>	<a href="#">Q2MJK3</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Predicted</b>	Pig
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Calculated MW</b>	21229
<b>Antigen Region</b>	147-179

## Additional Information

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<b>Gene ID</b>	4893
<b>Other Names</b>	GTPase NRas, Transforming protein N-Ras, NRAS, HRAS1
<b>Target/Specificity</b>	This NRAS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 147-179 amino acids from the C-terminal region of human NRAS.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	NRAS Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	NRAS
<b>Synonyms</b>	HRAS1
<b>Function</b>	Ras proteins bind GDP/GTP and possess intrinsic GTPase activity.

## Cellular Location

Cell membrane; Lipid-anchor; Cytoplasmic side. Golgi apparatus membrane; Lipid-anchor Note=Shuttles between the plasma membrane and the Golgi apparatus

## Background

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NRAS is a membrane protein that shuttles between the Golgi apparatus and the plasma membrane. This shuttling is regulated through palmitoylation and depalmitoylation by the ZDHHC9-GOLGA7 complex. This protein, which has intrinsic GTPase activity, is activated to a GTP-bound form by a GTPase activating protein and inactivated to a GDP-bound form by a guanine nucleotide-exchange factor. Defects in the gene encoding this protein are a cause of juvenile myelomonocytic leukemia (JMML).

## References

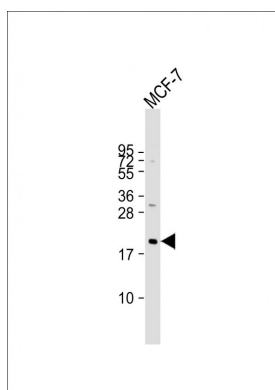
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Smalley,K.S., Cancer Res. 68 (14), 5743-5752 (2008)

Banerji,U., Mol. Cancer Ther. 7 (4), 737-739 (2008)

## Images

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Anti-NRAS Antibody (C-term) at 1:2000 dilution + MCF-7 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'.