

**N-RAS Antibody**  
Catalog # ASC11665**Specification**

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**N-RAS Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P01111</a>
Other Accession	<a href="#">NP_002515</a> , <a href="#">4505451</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	Predicted: 21

Application Notes	Observed: 20 KDa N-RAS antibody can be used for detection of N-RAS by Western blot at 0.5 - 1 µg/mL.
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**N-RAS Antibody - Additional Information**

Gene ID	4893
<b>Target/Specificity</b>	
NRAS; N-RAS antibody is predicted to not cross-react with H-RAS	

**Reconstitution & Storage**

N-RAS antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

**Precautions**

N-RAS Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**N-RAS Antibody - Protein Information**

**Name** NRAS

**Synonyms** HRAS1

**Function**

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

**Cellular Location**

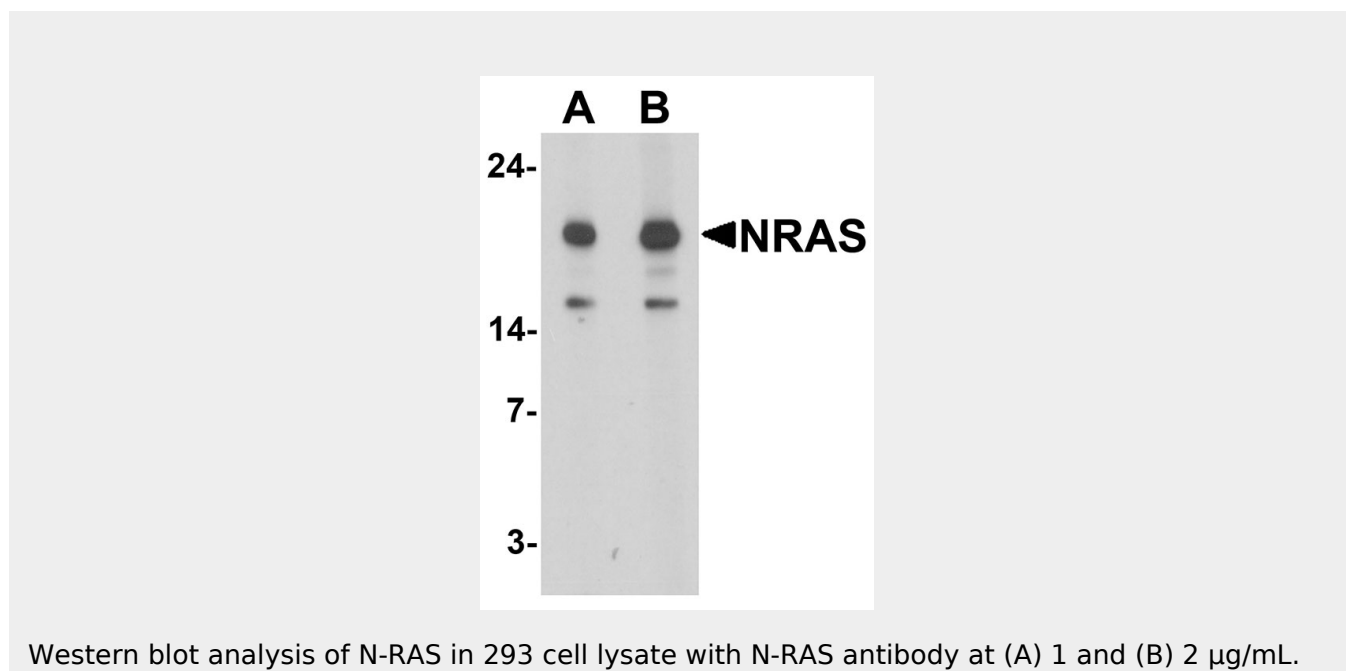
Cell membrane; Lipid-anchor; Cytoplasmic side. Golgi apparatus membrane; Lipid-anchor  
Note=Shuttles between the plasma membrane and the Golgi apparatus

**N-RAS Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### N-RAS Antibody - Images



### N-RAS Antibody - Background

N-RAS Antibody: Activating mutations and overexpression of classical Ras subfamily members (N-RAS, H-RAS, and K-RAS) have been widely investigated as key events in the development of human cancers. The N-RAS protein shuttles between the Golgi apparatus and the plasma membrane. This shuttling is regulated through palmitoylation and depalmitoylation by the ZDHHC9-GOLGA7 complex. N-RAS, which has intrinsic GTPase activity, is activated by a guanine nucleotide-exchange factor and inactivated by a GTPase activating protein. Mutations in this gene have been associated with somatic rectal cancer, follicular thyroid cancer, autoimmune lymphoproliferative syndrome, Noonan syndrome, and juvenile myelomonocytic leukemia.

### N-RAS Antibody - References

- Ehrhardt A, Ehrhardt GR, Guo X, et al. Ras and relatives--job sharing and networking keep an old family together. *Exp. Hematol.* 2002; 30:1089-106.
- Swarthout JT, Lobo S, Farh L, et al. DHHC9 and GCP9 constitute a human protein fatty acyltransferase with specificity for H- and N-Ras. *J. Biol. Chem.* 2005; 280:31141-8.
- Malaney S and Daly RJ. The ras signaling pathway in mammary tumorigenesis and metastasis. *J. Mammary Gland Biol. Neoplasia* 2001; 6:101-13.
- Rodenhuis S. ras and human tumors. *Semin Cancer Biol.* 1992; 3:241-7