

RRAS2 Antibody

Catalog # ASC11622

Specification

RRAS2 Antibody - Product Information

Application	WB
Primary Accession	P62070
Other Accession	NP_036382 , 21361416
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	22 kDa KDa
Application Notes	RRAS2 antibody can be used for detection of RRAS2 by Western blot at 1 - 2 µg/mL.

RRAS2 Antibody - Additional Information

Gene ID **22800**
Target/Specificity
RRAS2; Two isoforms of RRAS2 exists as a result of alternative splicing event.

Reconstitution & Storage

RRAS2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

Precautions

RRAS2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

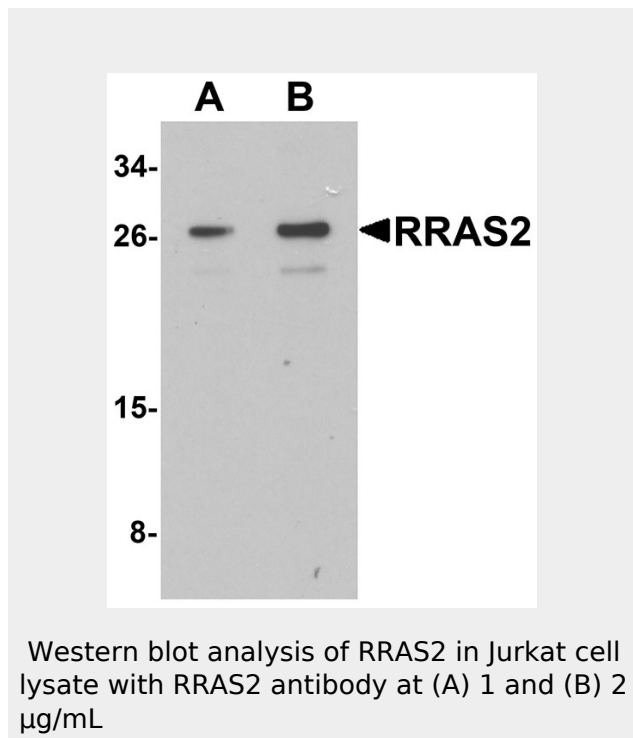
RRAS2 Antibody - Protein Information

Name RRAS2 ([HGNC:17271](#))

Synonyms TC21

Function

GTP-binding protein with GTPase activity involved in the regulation of MAPK signaling pathway, thereby controlling multiple cellular processes (PubMed:<a href="http://



RRAS2 Antibody - Background

RRAS2 Antibody: Activating mutations and overexpression of classical Ras subfamily members (K-RAS, N-RAS and H-RAS) have been widely investigated as key events in the development of human cancers. The RRAS subfamily of Ras-related proteins includes RRAS1, RRAS2 (TC21) and RRAS3 (M-Ras) show overall amino acid identity with the classical Ras subfamily (H-Ras, K-Ras and N-Ras) of 55-60%. RRAS2 is a small GTPbinding protein of the Ras superfamily of GTPases. It might transduce growth inhibitory signals across the cell membrane, exerting its effect through an effector shared with the Ras proteins. RRAS2 has high oncogenic potential and overexpression/mutations have been reported in several tumor tissues and cell lines.

RRAS2 Antibody - References

Ehrhardt A, Ehrhardt GR, Guo X, et al. Ras and relatives--job sharing and networking keep an

www.uniprot.org/citations/31130282"
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in the regulation of MAPK signaling pathway
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tations/31130282"
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tations/31130285"
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Regulation of craniofacial development
(PubMed:<a href="http://www.uniprot.org/ci
tations/31130282"
target="_blank">31130282,
PubMed:<a href="http://www.uniprot.org/ci
tations/31130285"
target="_blank">31130285).

Cellular Location

Cell membrane; Lipid-anchor; Cytoplasmic
side. Golgi apparatus membrane;
Lipid-anchor

Tissue Location

Ubiquitously present in all tissues
examined, with the highest levels in heart,
placenta, and skeletal muscle. Moderate
levels in lung and liver; low levels in brain,
kidney, and pancreas

old family together. Exp. Hematol. 2002;
30:1089-106.

Lowe DG, Capon DJ, Delwart E, et al. Structure
of the human and murine R-Ras genes, novel
genes closely related to Ras proto-oncogenes.
Cell 1987; 48:137-46

Drivas GT, Shih A, Coutavas E, et al.
Characterization of four novel Ras-like genes
expressed in a human teratocarcinoma cell
line. Mol. Cell. Biol. 1990;10:1793-8.

Luo H, Hao X, Ge C, et al. TC21 promotes cell
motility and metastasis by regulating the
expression of E-cadherin and N-cadherin in
hepatocellular carcinoma. Int. J. Oncol. 2010;
37:853-9

RRAS2 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](#)