

# RRAS2 Antibody [Knockdown Validated]

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AM8512b

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P62070</a>
<b>Other Accession</b>	<a href="#">P62071</a>
<b>Reactivity</b>	Human, Mouse
<b>Predicted</b>	Mouse
<b>Host</b>	Mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG1,k
<b>Clone Names</b>	1578CT130.349.47.14
<b>Calculated MW</b>	23400

## Additional Information

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<b>Gene ID</b>	22800
<b>Other Names</b>	Ras-related protein R-Ras2, Ras-like protein TC21, Teratocarcinoma oncogene, RRAS2, TC21
<b>Target/Specificity</b>	This RRAS2 antibody is generated from a mouse immunized with a recombinant protein of human RRAS2.
<b>Dilution</b>	WB~~1:2000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
<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>	RRAS2 Antibody [Knockdown Validated] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	RRAS2 ( <a href="#">HGNC:17271</a> )
<b>Synonyms</b>	TC21
<b>Function</b>	GTP-binding protein with GTPase activity, involved in the regulation of MAPK signaling pathway and thereby controlling multiple cellular processes

(PubMed:[31130282](#), PubMed:[31130285](#), PubMed:[39809765](#)). Regulates craniofacial development (PubMed:[31130282](#), PubMed:[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

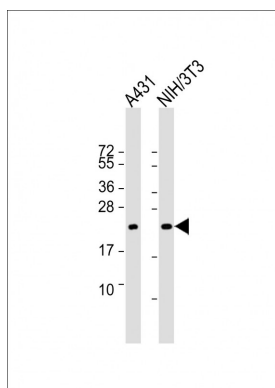
## Background

It is a plasma membrane-associated GTP-binding protein with GTPase activity. Might transduce growth inhibitory signals across the cell membrane, exerting its effect through an effector shared with the Ras proteins but in an antagonistic fashion.

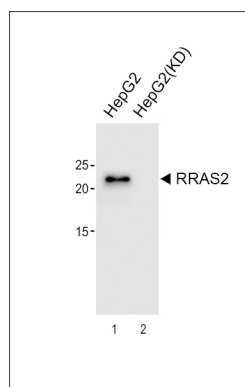
## References

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Chan A.M.-L.,et al.Proc. Natl. Acad. Sci. U.S.A. 91:7558-7562(1994).  
Puhl H.L. III,et al.Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Taylor T.D.,et al.Nature 440:497-500(2006).

## Images



All lanes : Anti-RRAS2 Antibody at 1:4000 dilution Lane 1: A431 whole cell lysate Lane 2: NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 23 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-RRAS2 Antibody at 1:2000 dilution Lane 1: HepG2 Lane 2: HepG2-Knockdown Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated (ASP1613) at 1/8000 dilution.