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RRAS2 Antibody [Knockdown Validated]

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8512b

Product Information

Application	WB, E
Primary Accession	P62070
Other Accession	P62071
Reactivity	Human, Mouse
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Mouse
Clonality	monoclonal
Isotype	IgG1,k
Clone Names	1578CT130.349.47.14
Calculated MW	23400

Additional Information

Gene ID	22800
Other Names	Ras-related protein R-Ras2, Ras-like protein TC21, Teratocarcinoma oncogene, RRAS2, TC21
Target/Specificity	This RRAS2 antibody is generated from a mouse immunized with a recombinant protein of human RRAS2.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	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.
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	RRAS2 Antibody [Knockdown Validated] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RRAS2 (HGNC:17271)
Synonyms	TC21
Function	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

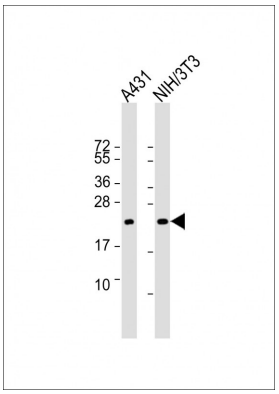
Background

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.

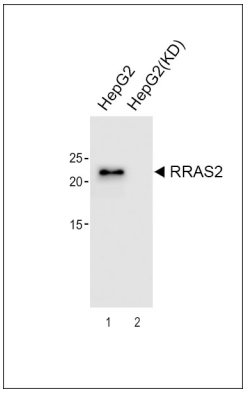
References

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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).
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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.

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