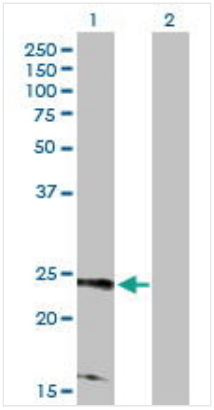
RRAS2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RRAS2, Polyclonal Antibody
Full Product Name	RRAS2 (Ras-related Protein R-Ras2, Ras-like Protein TC21, Teratocarcinoma Oncogene, TC21) (AP)
Product Gene Name	anti-RRAS2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human RRAS2.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only pri
Molecular Weight	24,196 Da
OMIM	phenotype 600098
3D Structure	ModBase 3D Structure for P62070
Immunogen	Full length human RRAS2, aa1-204 (NP_036382.2).
Immunogen Sequence	MAAAGWRDGSGQEKYRLVVVGGGGVGKSALTIQFIQSYFVTDYDPTIEDSYTKQCVIDDRAARLDILDTAGQEEFGAMREQYMRTGEGFLLVFSVTDRG
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-RRAS2 antibody	Antibodies; GTPase; Rab; Ras; Rho Proteins
Applications Tested/Suitable for anti-RRAS2 antibody	Western Blot (WB)
Application Notes for anti-RRAS2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-RRAS2 antibody	It is a plasma membrane-associated GTP-binding protein with GTPase activity. Might transduce growth inhibitory signals across the cell membrane, ex

Other Notes	Small volumes of anti-RRAS2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces additional dry ice fee may apply.
Searchable Terms for RRAS2 purchase	MBS6393024 is an antibody targeting RRAS2. Also known as RRAS2 (Ras-related Protein R-Ras2, Ras-like Protein TC21, Teratocarcinoma Oncogen



Western Blot (WB) of anti-RRAS2 antibody
Western Blot analysis of RRAS2 expression in transfected 293T cell line by RRAS2 polyclonal antibody. Lane 1: RRAS2 transfected lysate (23.4kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RRAS2. It may not necessarily be applicable to this product.

NCBI GI #	21361416
NCBI GeneID	22800
NCBI Accession #	NP_036382.2
UniProt Primary Accession #	P62070
UniProt Secondary Accession #	P17082; B2R9Z3; B7Z5Z2; B7Z6C4; B7Z7H6
UniProt Related Accession #	P62070
GenBank Nucleotide #	NM_012250
NCBI Official Full Name	ras-related protein R-Ras2 isoform a
NCBI Official Synonym Full Names	RAS related 2
NCBI Official Symbol	RRAS2
NCBI Official Synonym Symbols	TC21
UniProt Protein Name	Ras-related protein R-Ras2
UniProt Synonym Protein Names	Ras-like protein TC21; Teratocarcinoma oncogene
Protein Family	Ras-related protein
UniProt Gene Name	RRAS2
UniProt Synonym Gene Names	TC21
UniProt Entry Name	RRAS2_HUMAN
NCBI Protein Information	ras-related protein R-Ras2

NCBI Summary for RRAS2	This gene encodes a member of the R-Ras subfamily of Ras-like small GTPases. The encoded protein associates with the plasma membrane and may function as a signal transducer. This protein may play an important role in activating signal transduction pathways that control cell proliferation. Mutations in this gene are associated with the growth of certain tumors. Pseudogenes of this gene are found on chromosomes 1 and 2. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Apr 2010]
UniProt Comments for RRAS2	RRAS2: 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. Defects in RRAS2 are a cause of susceptibility to ovarian cancer (OC). The term ovarian cancer defines common malignancies originating from ovarian tissue. Although many histologic types of ovarian tumors have been described, epithelial ovarian carcinoma is the most common form. Ovarian cancers are often asymptomatic and the recognized signs and symptoms, even of late-stage disease, are vague. Consequently, most patients are diagnosed with advanced disease. Belongs to the small GTPase superfamily. Ras family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: G protein; Oncoprotein; G protein, monomeric, Ras; G protein, monomeric; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 11p15.2 Cellular Component: focal adhesion; membrane; endoplasmic reticulum; plasma membrane Molecular Function: GTPase activity; protein binding; GTP binding Biological Process: osteoblast differentiation; metabolic process; Ras protein signal transduction; positive regulation of cell migration
Research Articles on RRAS2	**1.** Equilibrium dissociation constants were determined for the binding of HRAS, KRAS, NRAS and RRAS2 to the RAS binding (RB) domain of binding proteins.
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