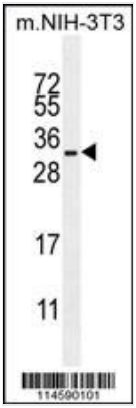
RRAS Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RRAS, Polyclonal Antibody
Full Product Name	RRAS, ID (RRAS, Ras-related protein R-Ras, p23) (PE)
Product Gene Name	anti-RRAS antibody
Product Synonym Names	RRAS; Ras-related protein R-Ras; p23
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	23,480 Da
OMIM	165090
3D Structure	ModBase 3D Structure for P10301
Immunogen	RRAS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 98-131 amino acids from the Central region of human RRAS.
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-RRAS antibody	Antibodies; GTPase; Rab; Ras; Rho Proteins
Applications Tested/Suitable for anti-RRAS antibody	Western Blot (WB), FLISA
Application Notes for anti-RRAS antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-RRAS antibody	MBS6344072 is an antibody targeting RRAS. Also known as RRAS, ID (RRAS, Ras-related protein R-Ras, p23) (PE). Reactive in Mouse. Host: Rabbit. RRAS regulates the organization of the actin cytoskeleton.
Product References and Citations for anti-RRAS antibody	Sakurai, A., et al. Mol. Cell. Biol. 30(12):3086-3098(2010). Tong, Y., et al. J. Biol. Chem. 284(51):35962-35972(2009). Inuzuka, T., et al. Biochem. Biophys. Res. Commun. 379(2):510-513(2009). Xu, L., et al. J. Biol. Chem. 284(5):2706-2718(2009). Hodkinson, P.S., et al. J. Biol. Chem. 282(39):28991-29001(2007).
Other Notes	Small volumes of anti-RRAS antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-RRAS antibody
RRAS Antibody (Center) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the RRAS antibody detected the RRAS protein (arrow).

ADDITIONAL DETAILS

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

NCBI GI #	5454028
NCBI GeneID	6237
NCBI Accession #	NP_006261.1
UniProt Primary Accession #	P10301
UniProt Secondary Accession #	Q6FH12
UniProt Related Accession #	P10301
GenBank Nucleotide #	NM_006270.3
NCBI Official Full Name	ras-related protein R-Ras
NCBI Official Synonym Full Names	related RAS viral (r-ras) oncogene homolog
NCBI Official Symbol	RRAS
UniProt Protein Name	Ras-related protein R-Ras
UniProt Synonym Protein Names	p23
Protein Family	Ras-related protein
UniProt Gene Name	RRAS
UniProt Entry Name	RRAS_HUMAN
NCBI Protein Information	ras-related protein R-Ras; Oncogene RRAS; p23
NCBI Summary for RRAS	The protein encoded by this gene is a small GTPase involved in diverse processes including angiogenesis, vascular homeostasis and regeneration, cell adhesion, and neuronal axon guidance. Mutations in this gene are found in many invasive cancers. [provided by RefSeq, Jul 2015]

UniProt Comments for RRAS	RRas: a small G protein of the Ras family. Promotes focal adhesion formation by signaling to FAK and p130(Cas). Promotes tumor growth of cervical epithelial cells and increases their migration potential over collagen through a pathway that involves PI 3-K. Protein type: G protein, monomeric, Ras; G protein; Motility/polarity/chemotaxis; G protein, monomeric Chromosomal Location of Human Ortholog: 19q13.33 Cellular Component: focal adhesion; plasma membrane Molecular Function: GTPase activity; protein binding; GDP binding; GTP binding; protein complex binding Biological Process: axon guidance; synaptic transmission; positive regulation of angiogenesis; metabolic process; Ras protein signal transduction; leukocyte differentiation; regulation of protein kinase B signaling cascade; negative regulation of cell migration
Research Articles on RRAS	**1.** Contradicting the positive association reported in previous studies, our results indicate that R-Ras activation may negatively regulate the transformation of breast epithelial cells.
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