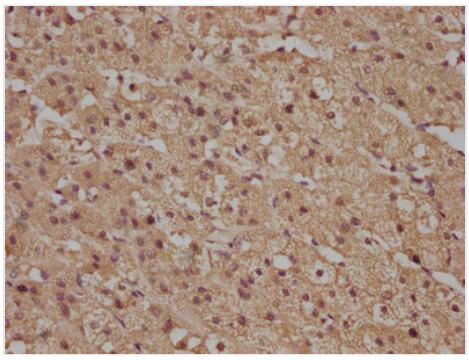
RRAS Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RRAS, Polyclonal Antibody
Full Product Name	RRAS Antibody
Product Gene Name	anti-RRAS antibody
Product Synonym Names	Ras-related protein R-Ras (p23); RRAS
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Purity/Purification	Antigen Affinity Purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: RRAS (MBS7134375) HRP Conjugated Antibody: RRAS (MBS7134376)
Matching Pairs	Unconjugated Antibody: RRAS (MBS7134375) FITC Conjugated Antibody: RRAS (MBS7134377)
Matching Pairs	Unconjugated Antibody: RRAS (MBS7134375) Biotin Conjugated Antibody: RRAS (MBS7134378)
Molecular Weight	23,480 Da
OMIM	165090
3D Structure	ModBase 3D Structure for P10301
Immunogen	Peptide sequence from Human Ras-related protein R-Ras protein (7-23AA)
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-RRAS antibody	Cell Biology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-RRAS antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-RRAS antibody	IHC: 1:20-1:200
Related Product Information for anti-RRAS antibody	MBS7134375 is an antibody targeting RRAS. Also known as RRAS Antibody. Reactive in Human. Host: Rabbit.

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.



Immunohistochemistry (IHC) of anti-RRAS antibody
IHC image of MBS7134375 diluted at 1:100 and staining in paraffin-embedded human adrenal gland tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

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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