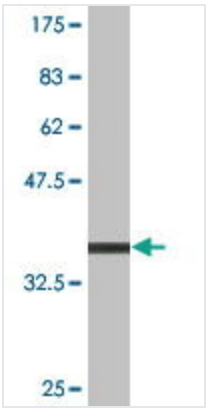
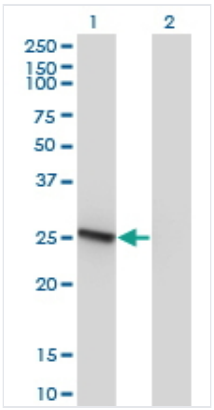
RAB32 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

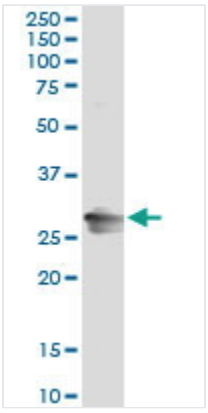
Product Name	RAB32, Monoclonal Antibody
Full Product Name	RAB32 (Ras-related Protein Rab-32) APC
Product Gene Name	anti-RAB32 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1C7
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human RAB32.
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: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	27.6kDa (249aa), confirmed by MALDI-TOF
OMIM	612906
3D Structure	ModBase 3D Structure for Q13637
Immunogen	Partial recombinant corresponding to RAB32, aa136-226 (NP_006825) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	IPAVLLANKCDQNKDSSQSPSQVDQFCKEHGFAGWFETSAKDNINIEEAARFLVEKILVNHQSFPNEENDVDKIKLDQETLRAENKSQCC
Conjugate	APC
Product Categories/Family for anti-RAB32 antibody	Antibodies; GTPase; Rab; Ras; Rho Proteins
Applications Tested/Suitable for anti-RAB32 antibody	ELISA (EIA), Immunoprecipitation (IP), Western Blot (WB)
Application Notes for anti-RAB32 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-RAB32 antibody	MBS6138564 is an antibody targeting RAB32. Also known as RAB32 (Ras-related Protein Rab-32) APC. Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-RAB32 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.



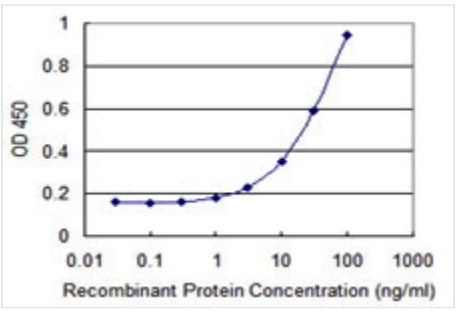
Western Blot (WB) of anti-RAB32 antibody
Western Blot detection against Immunogen (36.01kD).



Western Blot (WB) of anti-RAB32 antibody
Western Blot analysis of RAB32 expression in transfected 293T cell line by RAB32 monoclonal antibody. Lane 1: RAB32 transfected lysate (25kD). Lane 2: Non-transfected lysate.



Immunoprecipitation (IP) of anti-RAB32 antibody
Immunoprecipitation of RAB32 transfected lysate using RAB32 monoclonal antibody and Protein A Magnetic Bead and immunoblotted with RAB32 rabbit polyclonal antibody.



Testing Data of anti-RAB32 antibody
Detection limit for recombinant GST tagged RAB32 is 0.3ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RAB32. It may not necessarily be applicable to this product.

NCBI GI #	5803133
NCBI GeneID	10981
NCBI Accession #	NP_006825
UniProt Primary Accession #	Q13637
UniProt Related Accession #	Q13637
GenBank Nucleotide #	NM_006834
NCBI Official Full Name	ras-related protein Rab-32
NCBI Official Synonym Full Names	RAB32, member RAS oncogene family
NCBI Official Symbol	RAB32
UniProt Protein Name	Ras-related protein Rab-32
Protein Family	Ras-related protein
UniProt Gene Name	RAB32
UniProt Entry Name	RAB32_HUMAN
NCBI Protein Information	ras-related protein Rab-32

NCBI Summary for RAB32	The protein encoded by this gene anchors the type II regulatory subunit of protein kinase A to the mitochondrion and aids in mitochondrial fission. The encoded protein also appears to be involved in autophagy and melanosome secretion. Variations in this gene may be linked to leprosy. [provided by RefSeq, Dec 2015]
UniProt Comments for RAB32	RAB32: Acts as an A-kinase anchoring protein by binding to the type II regulatory subunit of protein kinase A and anchoring it to the mitochondrion. Also involved in synchronization of mitochondrial fission. Belongs to the small GTPase superfamily. Rab family. Protein type: G protein, monomeric; G protein; G protein, monomeric, Rab Chromosomal Location of Human Ortholog: 6q24.3 Cellular Component: phagocytic vesicle membrane; mitochondrion; membrane; early endosome; melanosome; phagocytic vesicle; trans-Golgi network Molecular Function: GTPase activity; protein binding; GDP binding; GTP binding; GTP-dependent protein binding Biological Process: intracellular protein transport; antigen processing and presentation; metabolic process; Rab protein signal transduction
Research Articles on RAB32	**1.** this study provides some compelling evidence showing that Rab32 is an essential host factor required for HCV particle assembly and thus that Rab32 could be a potential therapeutic target to interrupt HCV propagation.
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