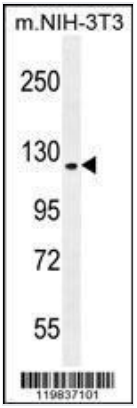
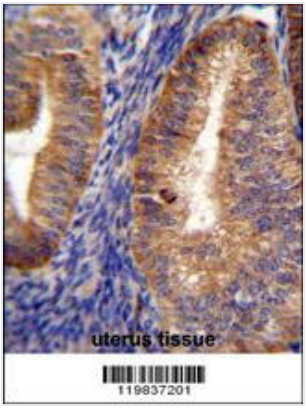
RUTBC1 (RAB9A) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RUTBC1 (RAB9A), Polyclonal Antibody
Full Product Name	RUTBC1, CT (SGSM2, KIAA0397, RUTBC1, Small G protein signaling modulator 2, RUN and TBC1 domain-containing protein 1)
Product Gene Name	anti-RAB9A antibody
Product Synonym Names	Anti -RUTBC1, CT (SGSM2, KIAA0397, RUTBC1, Small G protein signaling modulator 2, RUN and TBC1 domain-containing protein 1)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Mouse
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	22,838 Da
Chromosome Location	Chromosome: X; NC_000023.10 (13707240..13727944). Location: Xp22.2
OMIM	300284
3D Structure	ModBase 3D Structure for P51151
Immunogen	RUTBC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 962-992 amino acids from the C-terminal region of human RUTBC1.
Product Categories/Family for anti-RAB9A antibody	Antibodies; Abs to KIAA; orf
Applications Tested/Suitable for anti-RAB9A antibody	ELISA (EL/EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-RAB9A antibody	Suitable for use in Western Blot, Immunohistochemistry, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500 Immunohistochemistry: 1:50-100
Related Product Information for anti-RAB9A antibody	MBS641743 is an antibody targeting RAB9A. Also known as RUTBC1, CT (SGSM2, KIAA0397, RUTBC1, Small G protein signaling modulator 2, RUN and TBC1 domain-containing protein 1). Reactive in Mouse. Host: Rabbit. The specific function of the protein remains unknown.
Other Notes	Small volumes of anti-RAB9A 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-RAB9A antibody
RUTBC1 Antibody (C-term) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the RUTBC1 antibody detected the RUTBC1 protein (arrow).



Immunohistochemistry (IHC) of anti-RAB9A antibody
RUTBC1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human uterus tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of RUTBC1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RAB9A. It may not necessarily be applicable to this product.

NCBI GI #	305855090
NCBI GeneID	9367
NCBI Accession #	NP_001182257.1
UniProt Primary Accession #	P51151
UniProt Secondary Accession #	Q6ICN1; A8K390
UniProt Related Accession #	P51151
GenBank Nucleotide #	NM_001195328.1
NCBI Official Full Name	ras-related protein Rab-9A
NCBI Official Synonym Full Names	RAB9A, member RAS oncogene family
NCBI Official Symbol	RAB9A
NCBI Official Synonym Symbols	RAB9
UniProt Protein Name	Ras-related protein Rab-9A
Protein Family	Ras-related protein
UniProt Gene Name	RAB9A
UniProt Synonym Gene Names	RAB9
UniProt Entry Name	RAB9A_HUMAN
NCBI Protein Information	ras-related protein Rab-9A; RAB9, member RAS oncogene family

UniProt Comments for RAB9A	RAB9A: Involved in the transport of proteins between the endosomes and the trans Golgi network. Interacts (preferentially in its GTP-bound form) with GCC2 (via its GRIP domain). Belongs to the small GTPase superfamily. Rab family. Protein type: G protein, monomeric, Rab; G protein; G protein, monomeric Chromosomal Location of Human Ortholog: Xp22.2 Cellular Component: Golgi membrane; endoplasmic reticulum membrane; phagocytic vesicle membrane; lysosome; late endosome; vacuolar membrane; plasma membrane; phagocytic vesicle Molecular Function: GTPase activity; protein binding; GDP binding; GTP binding Biological Process: intracellular protein transport; metabolic process; Rab protein signal transduction; retrograde transport, endosome to Golgi; positive regulation of exocytosis
Research Articles on RAB9A	**1.** Rab9a and Rab7b are mediators of the transit of the L2 capsid protien and the pseudogenome of human papillomavirus 16 from the late endosome to the golgi complex.
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