MYRIP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MYRIP, Polyclonal Antibody
Full Product Name	MYRIP, CT (MYRIP, SLAC2C, Rab effector MyRIP, Exophilin-8, Myosin-VIIa-and Rab-interacting protein, Synaptotagmin-like protein lacking C2 domains C) (MaxLight 650)
Product Gene Name	anti-MYRIP antibody
Product Synonym Names	MYRIP; SLAC2C; Rab effector MyRIP; Exophilin-8; Myosin-VIIa-and Rab-interacting protein; Synaptotagmin-like protein lacking C2 domains C
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 MaxLight650.
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: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	83,948 Da
OMIM	611790
3D Structure	ModBase 3D Structure for Q8NFW9
Immunogen	MYRIP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 658-686 amino acids from the C-terminal region of human MYRIP.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-MYRIP antibody	Antibodies; GTPase; Rab; Ras; Rho Proteins
Applications Tested/Suitable for anti-MYRIP antibody	Western Blot (WB), FLISA
Application Notes for anti-MYRIP antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-MYRIP antibody	Rab effector protein involved in melanosome transport. Serves as link between melanosome-bound RAB27A and the motor proteins MYO5A and MYO7A. May link RAB27A-containing vesicles to actin filaments (By similarity).
Product References and Citations for anti-MYRIP antibody	Rose, J. Phd, et al. Mol. Med. (2010). In press: Nightingale, T.D., et al. Blood 113(20):5010-5018(2009). Hayasaka, S., et al. Asian J. Androl. 10(4):561-568(2008). Goehring, A.S., et al. J. Biol. Chem. 282(45):33155-33167(2007). Wu, C., et al. Proteomics 7(11):1775-1785(2007).
Other Notes	Small volumes of anti-MYRIP 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.

Searchable Terms for MYRIP purchase	MBS6323569 is an antibody targeting MYRIP. Also known as MYRIP, CT (MYRIP, SLAC2C, Rab effector MyRIP, Exophilin-8, Myosin-VIIa-and Rab-interacting protein, Synaptotagmin-like protein lacking C2 domains C) (MaxLight 650). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	59853352
NCBI GeneID	25924
NCBI Accession #	NP_056275.2
UniProt Primary Accession #	Q8NFW9
UniProt Secondary Accession #	Q32M41; Q32M42; Q569F7; Q8IUF5; Q9Y3V4; B3KWM3; B3KWW4; B7Z2H1; B7Z9V3; G3XAI8
UniProt Related Accession #	Q8NFW9
GenBank Nucleotide #	NM_015460.3
NCBI Official Full Name	rab effector MyRIP isoform a
NCBI Official Synonym Full Names	myosin VIIA and Rab interacting protein
NCBI Official Symbol	MYRIP
NCBI Official Synonym Symbols	SLAC2C; SLAC2-C
UniProt Protein Name	Rab effector MyRIP
UniProt Synonym Protein Names	Exophilin-8; Myosin-VIIa- and Rab-interacting protein; Synaptotagmin-like protein lacking C2 domains C; SlaC2-c; Slp homolog lacking C2 domains c
Protein Family	Rab effector
UniProt Gene Name	MYRIP
UniProt Synonym Gene Names	SLAC2C; SlaC2-c; Slp homolog lacking C2 domains c
UniProt Entry Name	MYRIP_HUMAN
NCBI Protein Information	rab effector MyRIP; exophilin-8; Slp homologue lacking C2 domains; slp homolog lacking C2 domains c; myosin-VIIa- and Rab-interacting protein; synaptotagmin-like protein lacking C2 domains C; synaptotagmin-like protein homologue lacking C2 domains-c
UniProt Comments for MYRIP	MYRIP: Rab effector protein involved in melanosome transport. Serves as link between melanosome-bound RAB27A and the motor proteins MYO5A and MYO7A. May link RAB27A-containing vesicles to actin filaments. Functions as a protein kinase A-anchoring protein (AKAP). May act as a scaffolding protein that links PKA to components of the exocytosis machinery, thus facilitating exocytosis, including insulin release. 5 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 3p22.1 Cellular Component: transport vesicle; photoreceptor outer segment; perinuclear region of cytoplasm; exocyst; melanosome; synapse; actin cytoskeleton Molecular Function: protein binding; zinc ion binding; protein kinase A binding; actin binding; Rab GTPase binding Biological Process: intracellular protein transport; positive regulation of insulin secretion
Research Articles on MYRIP	**1.** Myrip couples the retention of secretory granules in the cell cortex, their transport to the plasma membrane, and their attachment to the plasma membrane, thus promoting secretion.

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