

Anti-MY18A antibody



Description	Unconjugated Rabbit polyclonal to MY18A
Model	STJ191016
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human MY18A protein.
Immunogen Region	1920-2000aa
Gene ID	399687
Gene Symbol	MYO18A
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	MY18A Polyclonal Antibody detects endogenous levels of protein.
Purification	MY18A antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Unconventional myosin-XVIIIa Molecule associated with JAK3 N-terminus MAJN Myosin containing a PDZ domain Surfactant protein receptor SP-R210 SP-R210
Molecular Weight	225 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:31104 OMIM:609517
Alternative Names	Unconventional myosin-XVIIIa Molecule associated with JAK3 N-terminus MAJN Myosin containing a PDZ domain Surfactant protein receptor SP-R210 SP-R210
Function	May link Golgi membranes to the cytoskeleton and participate in the tensile force required for vesicle budding from the Golgi. Thereby, may play a role in Golgi membrane trafficking and could indirectly give its flattened shape to the Golgi apparatus. Alternatively, in concert with LURAP1 and CDC42BPA/CDC42BPB, has been involved in modulating lamellar actomyosin retrograde flow that is crucial to cell protrusion and migration. May be involved in the maintenance of the stromal cell architectures required for cell to cell contact. Regulates trafficking, expression, and activation of innate immune receptors on macrophages. Plays a role to suppress inflammatory responsiveness of macrophages via a mechanism that modulates CD14 trafficking. Acts as a receptor of surfactant-associated protein A (SFTPA1/SP-A) and plays an important role in internalization and clearance of SFTPA1-opsonized S.aureus by alveolar macrophages. Strongly enhances natural killer cell cytotoxicity.
Sequence and Domain Family	The myosin motor domain binds ADP and ATP but has no intrinsic ATPase activity. Mediates ADP-dependent binding to actin.
Cellular Localization	Isoform 1: Endoplasmic reticulum-Golgi intermediate compartment Cytoplasm, cytoskeleton. Colocalizes with actin.. Isoform 2: Cytoplasm. Lacks the PDZ domain. Diffusely localized in the cytoplasm.. Golgi apparatus. Golgi apparatus, trans-Golgi network. Recruited to the Golgi apparatus by GOLPH3.. Isoform 5: Cell surface