

Anti-Myosin XVI antibody



Description	Rabbit polyclonal to Myosin XVI.
Model	STJ94316
Host	Rabbit
Reactivity	Human
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human Myosin XVI
Immunogen Region	1050-1130 aa, Internal
Gene ID	23026
Gene Symbol	MYO16
Dilution range	WB 1:500-1:2000ELISA 1:10000
Specificity	Myosin XVI Polyclonal Antibody detects endogenous levels of Myosin XVI protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Unconventional myosin-XVI Neuronal tyrosine-phosphorylated phosphoinositide-3-kinase adapter 3 Unconventional myosin-16
Molecular Weight	200 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:29822OMIM:615479
Alternative Names	Unconventional myosin-XVI Neuronal tyrosine-phosphorylated phosphoinositide-3-kinase adapter 3 Unconventional myosin-16
Function	Myosins are actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movements. Their highly divergent tails are presumed to bind to membranous compartments, which would be moved relative to actin filaments. May be involved in targeting of the catalytic subunit of protein phosphatase 1 during brain development. Activates PI3K and concomitantly recruits the WAVE1 complex to the close vicinity of PI3K and regulates neuronal morphogenesis .
Cellular Localization	Cytoplasm. Found in puncta in soma and processes of astrocytes and dissociated cerebellar cells with the morphology of migrating granule cells.
Post-translational Modifications	Phosphorylated on tyrosine residues by FYN upon stimulation with CNTN5.