smooth muscle Myosin heavy chain 11 Conjugated Antibody

Catalog No: #C49569

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Package Size: #C49569-AF350 100ul #C49569-AF405 100ul #C49569-AF488 100ul #C49569-AF555 100ul #C49569-AF594 100ul #C49569-AF647 100ul #C49569-AF680 100ul #C49569-AF750 100ul #C49569-Biotin 100ul

Description

Product Name	smooth muscle Myosin heavy chain 11 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	AAT4 antibody DKFZp686D10126 antibody DKFZp686D19237 antibody FAA4 antibody FLJ35232 antibody MGC126726 antibody MGC32963 antibody MYH 11 antibody MYH11 antibody MYH11_HUMAN antibody Myosin 11 antibody Myosin heavy chain 11 antibody Myosin heavy chain 11 smooth muscle antibody Myosin heavy chain antibody Myosin heavy chain smooth muscle isoform antibody Myosin heavy polypeptide 11 smooth muscle antibody Myosin-11 antibody SMHC antibody SMMHC antibody smooth muscle isoform antibody Smooth muscle myosin heavy chain 11 isoform SM2 antibody Smooth muscle myosin heavy chain isoform SM2 antibody
Accession No.	Swiss-Prot#:P35749
Uniprot	P35749
GeneID	4629;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	227 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Myosin is a highly conserved, ubiquitously expressed protein that interacts with Actin to generate the force for cellular movements. Conventional Myosins are hexameric proteins consisting of two heavy chain subunits, a pair of non-phosphorylatable light chain subunits and a pair of phosphorylatable light chain subunits, which is expressed by my calcium and calmodulin-dependent phosphorylation of Myosin light chain (MLC) Myosin heavy chains, encoded by the MYH gene family, contain Actin-activated ATPase activity which generates the motor function of Myosin. Myosin heavy chains were initially isolated from a human fetal skeletal muscle and are the major determinant in the Speed of contraction of skeletal muscle. Various isoforms of myosin heavy chains are differentially expressed depending on th E functional activity of the muscle.

Note: This product is for in vitro research use only