

GSK3 beta(Phospho-Ser 9) Conjugated Antibody

Catalog No: #C13356



Package Size: #C13356-AF350 100ul #C13356-AF405 100ul #C13356-AF488 100ul
 #C13356-AF555 100ul #C13356-AF594 100ul #C13356-AF647 100ul
 #C13356-AF680 100ul #C13356-AF750 100ul #C13356-Biotin 100ul

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

Description

Product Name	GSK3 beta(Phospho-Ser 9) Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	deglutamylated form antibody DKFZp686l10125 antibody EC 2.7.11.18 antibody FLJ12216 antibody Kinase related protein antibody Kinase-related protein antibody KRP antibody MLCK antibody MLCK1 antibody MLCK108 antibody MLCK210 antibody MSTP083 antibody MYLK antibody MYLK_HUMAN antibody MYLK1 antibody Myosin light chain kinase antibody Myosin light polypeptide kinase antibody OTTHUMP00000180642 antibody OTTHUMP00000180643 antibody smMLCK antibody smooth muscle antibody Smooth muscle myosin light chain kinase antibody Telokin antibody
Accession No.	Swiss-Prot#:Q15746
Uniprot	Q15746
GeneID	4638;
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	110
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

MLCK, a member of the Ser/Thr protein kinase family, is a calcium/calmodulin-dependent enzyme responsible for smooth muscle contraction via phosphorylation of a specific serine in the N-terminus of myosin light chains (MLC), an event that facilitates myosin interaction with actin filaments. It is a central determinant in the development of vascular permeability and tissue edema formation. In the nervous system it has been shown to control the growth initiation of astrocytic processes in culture and to participate in transmitter release at synapses formed between cultured sympathetic ganglion cells. MLCK acts as a critical participant in signaling sequences that result in fibroblast apoptosis. Smooth muscle and non-muscle isozymes are expressed in a wide variety of adult and fetal tissues and in cultured endothelium with qualitative expression appearing to be neither tissue- nor development-specific. Non-muscle isoform 2 is the dominant splice variant expressed in various tissues. The Telokin isoform, which binds calmodulin, has been found in a wide variety of adult and fetal tissues. MLCK is probably down-regulated by phosphorylation. The protein contains 1 fibronectin type III domain and 9 immunoglobulin-like C2-type domains.

Note: This product is for in vitro research use only