

MLCK(Phospho Tyr471) Rabbit Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP03624
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized peptide derived from human MLCK (Phospho Tyr471)
Mol wt	210540
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	MLCK
Synonyms	MLCK ;Phospho Tyr471; Myosin light chain kinase; smooth muscle; MLCK; smMLCK; EC 2.7.11.18; Kinase-related protein; KRP; Telokin; Myosin light chain kinase; smooth muscle; deglutamylated form;

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene| a muscle member of the immunoglobulin gene superfamily| encodes myosin light chain kinase which is a calcium/calmodulin dependent enzyme. This kinase phosphorylates myosin regulatory light chains to facilitate myosin interaction with actin filaments to produce contractile activity. This gene encodes both smooth muscle and nonmuscle isoforms. In addition| using a separate promoter in an intron in the 3' region| it encodes telokin| a small protein identical in sequence to the C-terminus of myosin light chain kinase| that is independently expressed in smooth muscle and functions to stabilize unphosphorylated myosin filaments. A pseudogene is located on the p arm of chromosome 3. Four transcript variants that produce four isoforms of the calcium/calmodulin dependent enzyme have been identified as well as two transcripts that produce two isoforms of telokin. Additional variants have been

Recommended Dilution

WB: 1: 1000 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year