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phospho-MYL6 (Tyr29+Ser30) Rabbit pAb

Catalog # AP99982

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P60660
Other Accession	P60660
Reactivity	Mouse
Predicted	Rat, Pig, Human, Chicken, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	16930
Physical State	Liquid
Immunogen	KLH conjugated Synthesised phosphopeptide derived from human MYL6 around the phosphorylation site of Tyr29+Ser30
Epitope Specificity	IL(p-Y)(p-S)Q-NH2
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 3 EF-hand domains.
SUBUNIT	Myosin is a hexamer of 2 heavy chains and 4 light chains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Myosin is a hexameric ATPase cellular motor protein. It is composed of two heavy chains, two nonphosphorylatable alkali light chains, and two phosphorylatable regulatory light chains. This gene encodes a myosin alkali light chain that is expressed in smooth muscle and non-muscle tissues. Genomic sequences representing several pseudogenes have been described and two transcript variants encoding different isoforms have been identified for this gene.

Additional Information

Gene ID	4637
Other Names	ESMLC; LC17; LC17-GI; LC17-NM; LC17A; LC17B; MLC-3; MLC1SM; MLC3NM; MLC3SM; Myln; Myl6l; MYL6_BOVIN; MYL6; 17 kDa myosin light chain (LC17); Myosin light chain 3 (MLC-3); Myosin light chain alkali 3 (Myosin light chain A3); MYL6_HUMAN; Smooth muscle and nonmuscle myosin light chain alkali 6; MYL6_MOUSE; MYL6_PIG; MYL6_RAT; myosin light chain 6; myosin, light polypeptide 6, alkali, smooth muscle and non-muscle; myosin, light chain 6, alkali, smooth muscle and non-muscle; MYL6 (phospho-Y29/S30); p-MYL6; phospho-MYL6; MYL6 (phospho-Tyr29/Ser30)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	MYL6
Function	Regulatory light chain of myosin. Does not bind calcium.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.