MLC2 (Phospho-Ser15) Antibody

Catalog No: #11590

Package Size: #11590-1 50ul #11590-2 100ul



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

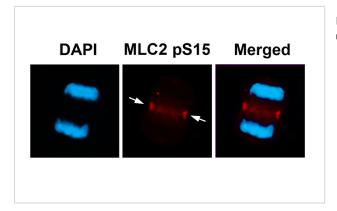
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Product Name	MLC2 (Phospho-Ser15) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates.
	Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho
	specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of MLC2 only when phosphorylated at serine 15.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 15 (A-N-S(p)-N-V) derived from Human MLC2.
Target Name	MLC2
A 116 (1	Phospho
Modification	Filospilo
Other Names	MLC2; MRLC1; MYRL2
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Other Names	MLC2; MRLC1; MYRL2
Other Names Accession No.	MLC2; MRLC1; MYRL2 Swiss-Prot#: P10916NCBI Gene ID: 4633NCBI Protein#: NP_006088.2
Other Names Accession No. SDS-PAGE MW	MLC2; MRLC1; MYRL2 Swiss-Prot#: P10916NCBI Gene ID: 4633NCBI Protein#: NP_006088.2 20kd
Other Names Accession No. SDS-PAGE MW Concentration	MLC2; MRLC1; MYRL2 Swiss-Prot#: P10916NCBI Gene ID: 4633NCBI Protein#: NP_006088.2 20kd 0.6mg/ml
Other Names Accession No. SDS-PAGE MW Concentration	MLC2; MRLC1; MYRL2 Swiss-Prot#: P10916NCBI Gene ID: 4633NCBI Protein#: NP_006088.2 20kd 0.6mg/ml Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02%

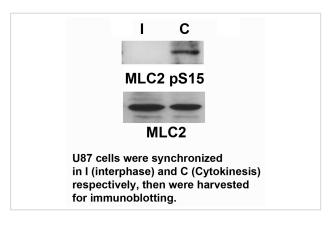
Application Details

Western blotting: 1:500~1:1000 Immunofluorescence: 1:100~1:200

Images



Immunofluorescence staining of methanol-fixed U87 cells using MLC2 (Phospho-Ser15) Antibody #11590.



Background

Myosin regulatory subunit that plays an important role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation. Implicated in cytokinesis, receptor capping, and cell locomotion.

- 1) Xia, Y. et al. c-Jun downregulation by HDAC3-dependent transcriptional repression promotes osmotic stress-induced cell apoptosis. Mol. Cell 25, 219–232 (2007).
- 2) Vander Heiden, M. G. et al. Evidence for an alternative glycolytic pathway in rapidly proliferating cells. Science 329, 1492–1499 (2010).
- 3) Fang, D. et al. Phosphorylation of beta-catenin by AKT promotes beta-catenin transcriptional activity. J. Biol. Chem. 282, 11221–11229 (2007).

Published Papers

Zhimin Lu, Yuhui Jiang, Yugang Wang, et al. el at., PKM2 phosphorylates MLC2 and regulates cytokinesis of tumour cells, Nature Communications, 10.1038(2014)

PMID:25412762

el at., PKM2 phosphorylates MLC2 and regulates cytokinesis of tumour cells.In Nat Commun on 2014 Nov 21 by Yuhui Jiang, Yugang Wang et al..PMID: 25412762, , (2014)

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.