BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Myosin light chain kinase MYLK Rabbit Monoclonal Antibody

Catalog Number: M01697

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Overview

Product Name	Anti-Myosin light chain kinase MYLK Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Myosin light chain kinase MYLK Rabbit Monoclonal Antibody catalog # M01697. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Monoclonal G-13
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q15746

Technical Details

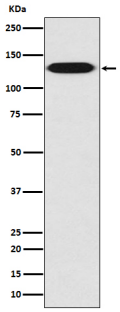
Immunogen	A synthesized peptide derived from human Myosin light chain kinase
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography

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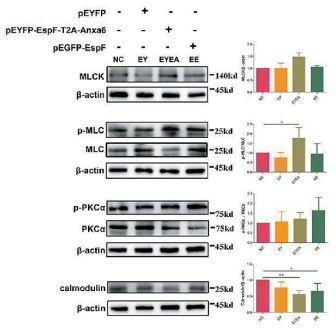
Suggested Dilutions	WB, 1:500-2000 IHC, 1:50-200 ICC/IF, 1:50-200 FC, 1:50

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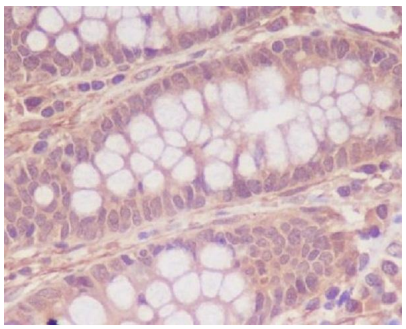
Anti-Myosin light chain kinase MYLK Rabbit Monoclonal Antibody (M01697) Images



Western blot analysis of myosin light chain kinase expression in HUVEC cell lysate.



The co-expression of EspF and ANXA6 protein in Caco-2 cells activates the MLCK-MLC pathway. The WB strips of MLCK-MLC pathway proteins in different plasmid-transfection groups, as indicated, are shown. Increased expression of MLCK, phosphorylated expression of MLC and PKCalpha, and decreased expression of Calmodulin in the EspF-ANXA6 transfected group, suggesting that EspF-ANXA6 activates the MLCK-MLC pathway, which may perturb TJ function. NC, non-transfected cells; EY, cells transfected with pEYFP; EYEA, cells transfected with pEYFP-EspF-T2A-ANXA6; EE, cells transfected with pEGFP-EspF. *Statistically significant difference. * $p < 0.05$. ** $p < 0.01$.Index in PubMed under a CC BY license. PMID: 33425920



Immunohistochemical analysis of paraffin-embedded human colon, using Myosin light chain kinase Antibody.

Anti-Myosin light chain kinase MYLK Rabbit Monoclonal Antibody

For Research Use Only. Not for use in diagnostic procedures.