

Rev01
Update: May,14,2025

DATASHEET

Myosin light chain 12B Antibody, mAb, Rabbit

Cat. No.: A05426

Overview

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|---------------------------|-----------------------------------------------------------------|
| Specificity | This product is specific to Myosin light chain 12B |
| Host Species | Rabbit |
| Immunogen | A synthesized peptide derived from human Myosin light chain 12B |
| Species Reactivity | Human; Mouse; Rat |
| Conjugate | Unconjugated |

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

| Application | Recommended Usage |
|-------------------------------------------------|--------------------------|
| Western Blot | 1:1000-1:2000 |
| Immunohistochemistry (IHC) | 1:100-1:200 |
| Immunocytochemistry/Immunofluorescence (ICC/IF) | 1:50-1:200 |
| Immunohistochemistry Frozen (IHF) | 1:50-1:200 |

Properties

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|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Form | Liquid |
| Storage Buffer | Supplied in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol. |
| Storage Instructions | Store at -20°C. This product is stable for 1 year upon receipt, when handled and stored as instructed. |
| Purification | Affinity-chromatography |

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|-----------|------------|
| Isotype | Rabbit IgG |
| Clonality | Monoclonal |

Background

Target Background : Myosin regulatory subunit that plays an important role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation. Phosphorylation triggers actin polymerization in vascular smooth muscle. Implicated in cytokinesis, receptor capping, and cell locomotion.

Synonyms : MLC 2A; MLC20; MRLC2; MYL12B; MYLC2B;

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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