



Product Information Sheet

Monoclonal Anti-Tropomyosin (36kD)

Catalogue No. MA1096

Lot No. 08A12

Clone: TM-36

Ig type: mouse IgG2a

Size: 100µg/vial

Specificity

Human, rabbit, chicken.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(F)

To reorder contact us at:

Antagene, Inc.

Toll Free: 1(866)964-2589

email: Info@antageneinc.com

Immunogen

Chicken gizzard tropomyosin.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Application

Western blot

At 0.5-1µg/ml with the appropriate system to detect tropomyosin in cells and tissues.

Immunohistochemistry(F)

At 1-2µg/ml to detect tropomyosin in formalin or acetone fixed tissues.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Formulation

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN₃ as preservative.

Reconstitution

1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

BACKGROUND

The tropomyosins are a family of actin filament binding proteins. These proteins were first isolated from skeletal muscle, but later identified in many nonmuscle tissues. Tropomyosins are ubiquitous proteins of 35 to 45 kD associated with the actin filaments of myofibrils and stress fibers. Vertebrates have at least 4 different tropomyosin genes; in humans, they are named TPM1, TPM2, TPM3, and TPM4. Tropomyosins expressed as different isoforms in muscle and non-muscle cells.

REFERENCE

1. Lees-Miller, J. P.; Helfman, D. M. : The molecular basis for tropomyosin isoform diversity. *BioEssays* 13: 429-437, 1991.
2. Gariboldi, M.; Manenti, G.; Dragani, T. A.; Pierotti, M. A. : Chromosome mapping of nine tropomyosin-related sequences in mice. *Mammalian Genome* 6: 273-277, 1995.

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