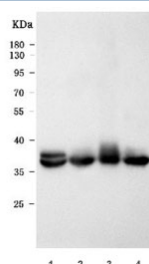


## Tropomyosin Antibody [clone TM31] (R30084)

Catalog No.	Formulation	Size
R30084	0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Ascites
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	TM31
Purity	Ascites
Gene ID	7168
Applications	Western Blot : 1-2ug/ml
Limitations	This Tropomyosin antibody is available for research use only.



Western blot testing of 1) rat skeletal muscle, 2) rat heart, 3) mouse skeletal muscle and 4) mouse heart tissue lysate with Tropomyosin antibody. Expected molecular weight: 39 kDa (alpha isoform) and 36 kDa (beta isoform).

## Description

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.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Tropomyosin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Chicken gizzard tropomyosin was used as the immunogen for this Tropomyosin antibody.

## Storage

After reconstitution, the Tropomyosin antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.