

## 39-1096: Anti-Tropomyosin (36kD) Monoclonal Antibody (Clone: TM228)(Discontinued)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	TM228
<b>Application :</b>	WB,IHC-F
<b>Reactivity :</b>	Human
<b>Gene :</b>	Tpm4
<b>Gene ID :</b>	24852
<b>Uniprot ID :</b>	P09495
<b>Alternative Name :</b>	Tropomyosin alpha-4 chain; Tropomyosin-4; TM-4; Tpm4
<b>Isotype :</b>	Mouse IgG2a
<b>Immunogen Information :</b>	Chicken gizzard tropomyosin.

### 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.

### Product Info

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Ascites
<b>Content :</b>	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
<b>Storage condition :</b>	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 a longer time. Avoid repeated freezing and thawing.

### Application Note

Western blot : 0.5-1 µg/ml; Immunohistochemistry(Frozen Section) : 1-2 µg/ml

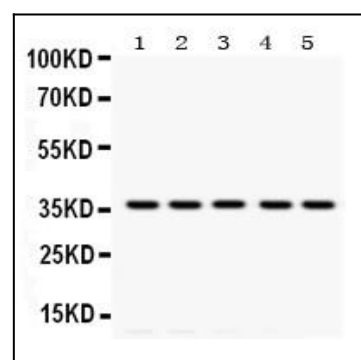


Figure 1: Western blot analysis of Tropomyosin(36kDa) expression in Lane 1: rat skeletal muscle extract, Lane 2: rat cardiac muscle extract, Lane 3: mouse skeletal muscle extract, Lane 4: mouse cardiac muscle extract and Lane 5: HELA whole cell lysates.