## Tropomyosin (36/39KD) Antibody

**Subcategory:** Mouse Monoclonal Antibody
**Cat. No.:** 251802
**Unit:** 0.1 mg

**Description:**
Tropomyosin is an actin-binding protein that regulates actin mechanics. Tropomyosin is important, among other things, for muscle contraction. Tropomyosin, along with the troponin complex, associates with actin in muscle fibers and regulates muscle contraction by regulating the binding of myosin. Defects in tropomyosin are the cause of cardiomyopathy familial hypertrophic type 3 (CMH3). Familial hypertrophic cardiomyopathy is a hereditary heart disorder characterized by ventricular hypertrophy, which is usually asymmetric and often involves the interventricular septum.

**Isotype:** Mouse IgG1
**Applications:** E, WB
**Species Reactivity:** H, M, R, Ck
**Format:** Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 2% BSA with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.
**Alternate Names:** Tropomyosin alpha-1 chain; Alpha-tropomyosin; Tropomyosin-1; TPM1; C15orf13; TMSA; Tropomyosin beta chain; Beta-tropomyosin; Tropomyosin-2; TPM2; TMSB; Tropomyosin alpha-3 chain; Gamma-tropomyosin; Tropomyosin-3; Tropomyosin-5; hTM5; TPM3
**Accession No.:** P04268

**Antigen:** Chicken gizzard tropomyosin.
**Application Notes:** E: 1:500-1:1,000; WB: 1:100-1:500

**Storage:** Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.