

# Tropomyosin 1 Rabbit pAb

货号: **AYP10639**

## 产品信息

反应	Human,Mouse,Rat,Zebrafish
宿主	Rabbit
克隆性	Polyclonal
预测反应	<b>WB:</b> Zebrafish , Mus musculus , Danio rerio
应用	<a href="#">WB</a> <a href="#">IF/ICC</a>
推荐浓度	<b>WB:</b> 1:500 - 1:2000 <b>IF/ICC:</b> 1:50 - 1:200
理论分子量	26kDa/28kDa/32kDa
实测分子量	36kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	A-549,BT-474,THP-1,DU145,SW480,MCF7,Mouse heart,Mouse skeletal muscle,Mouse brain
细胞定位	Cytoplasm,cytoskeleton
纯化	Affinity purification

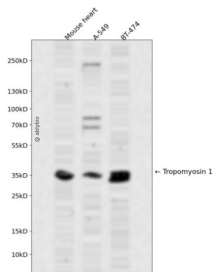
## 抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 1-245 of human Tropomyosin 1 (NP_001018008.1).
序列	MAGSSSLEAVRRKIRSLQEADAAEERAGTLQRELDHERKLRETAEADVASLNRRIQLVEEELDRAQERLATALQKLEEAEK AADESERGMKVIESRAQKDEEKMEIQEIQKKEAKHIAEDADRKYEEVARKLVIIESDLERAEEAEELSEGKCAELEEELKVTN NLKSLEAQAQKYSQKEDRYEEIKVLSDKLKEAETRAEFAERSVTKLEKSIDDLEDQLYQQLQLEQNRRRLTNELKLALNED

## 靶点信息

研究背景	This gene is a member of the tropomyosin family of highly conserved, widely distributed actin-binding proteins involved in the contractile system of striated and smooth muscles and the cytoskeleton of non-muscle cells. Tropomyosin is composed of two alpha-helical chains arranged as a coiled-coil. It is polymerized end to end along the two grooves of actin filaments and provides stability to the filaments. The encoded protein is one type of alpha helical chain that forms the predominant tropomyosin of striated muscle, where it also functions in association with the troponin complex to regulate the calcium-dependent interaction of actin and myosin during muscle contraction. In smooth muscle and non-muscle cells, alternatively spliced transcript variants encoding a range of isoforms have been described. Mutations in this gene are associated with type 3 familial hypertrophic cardiomyopathy.
基因ID	7168
基因名	TPM1
Swiss	P09493
别名	TPM1;C15orf13;CMD1Y;CMH3;HEL-S-265;HTM-alpha;LVNC9;TMSA

## 产品验证



Western blot analysis of Tropomyosin 1 expressed in Mouse heart, A-549, BT-774 using Tropomyosin 1 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

## 实验步骤

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