

## Anti-MYBPC3 Antibody (3A577)

## Product Details

Ig Type:	IgG1, Kappa
Reactivity:	Mouse (predicted:Human,Rat)
Clone:	3A577
Purification:	Protein G purified

## Applications

	Blocking buffer: 5% NFDM/TBST
	Primary ab dilution: 1:1000
	Primary ab incubation condition: 2 hours at room temperature
	Secondary ab: Goat Anti-Rabbit IgG H&L (HRP)
Verified Activity:	Lysate: 1: Rat heart, 2: Mouse heart
	Protein loading quantity: 20 µg
	Exposure time: 3 s
	Predicted MW: 150 kDa
	Observed MW: 150 kDa
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-1000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Gene ID:	4607
----------	------

## Research Background

MYBPC3 encodes the cardiac isoform of the thick-filament myosin-binding protein C. It is found in the crossbridge-bearing zone (C region) of A bands in vertebrate striated muscle. Regulatory phosphorylation of MYBPC3 by cAMP-dependent protein kinase (PKA) upon adrenergic stimulation may be linked to modulation of cardiac contraction. MYBPC3 binds F-Actin, MHC and native thin filaments, and modifies the activity of Actin-activated myosin ATPase. Mutations in the MYBPC3 gene lead mainly to truncation of the protein, which results in one cause of familial hypertrophic cardiomyopathy type 4 (CMH4), a heart disorder characterized by ventricular hypertrophy, which often involves the interventricular septum and is usually asymmetric. The MYBPC3 gene maps to chromosome 11p11.2.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481