

## Anti-MYOT Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P106578

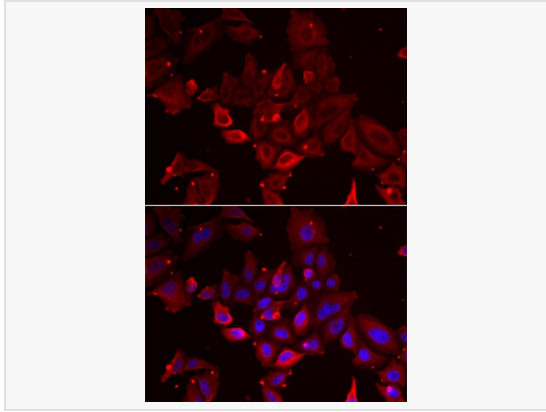
### Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:2,000; IF 1:10~1:100
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 259-314 of human MYOT (NP_001129412.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-MYOT Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

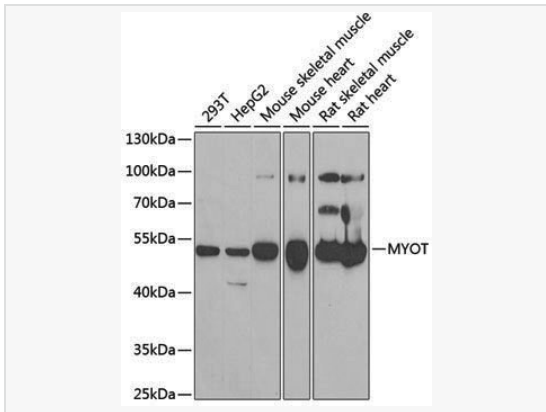
### Protein Information

Synonyms	MFMB3; TTID; TTOD; LGMD1; LGMD1A; MYOT.
Calculated MW	Calculated MW: 55 kDa; Observed MW: 55 kDa
Uniprot ID	Q9UBF9
Gene ID	9499
Background	This gene encodes a cytoskeletal protein which plays a significant role in the stability of thin filaments during muscle contraction. This protein binds F-actin, crosslinks actin filaments, and prevents latrunculin A-induced filament disassembly. Mutations in this gene have been associated with limb-girdle muscular dystrophy and myofibrillar myopathies. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined.

## Validation Images



Immunofluorescence analysis of U2OS cells using MYOT Rabbit pAb (P106578).  
Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of various lysates using MYOT Rabbit pAb (P106578) at 1:1,000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (SQ201). Exposure time: 90s.