

## Basic Information

Product Name	Anti-TRIM72 Antibody	
Gene Name	TRIM72	
Source	Rabbit	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, IF, ELISA	
Contents	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg BSA and 50% glycerol.	
Immunogen	E.coli-derived human MG53/TRIM72 recombinant protein (Position: E28-A477).	
concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	55KD	
Dilution Ratios	Western blot(WB): 1:500-2000 Immunohistochemistry in paraffin section (IHC): 1:50-400 Immunofluorescence (IF): 1:50-400 ELISA: 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

Enables identical protein binding activity. Predicted to be involved in several processes, including cellular protein metabolic process; plasma membrane repair; and protein homooligomerization. Predicted to act upstream of or within negative regulation of insulin receptor signaling pathway; negative regulation of insulin-like growth factor receptor signaling pathway; and negative regulation of myotube differentiation. Predicted to be located in cytoplasmic vesicle membrane. Predicted to be active in cytoplasm and sarcolemma.

## Selected Validation Data

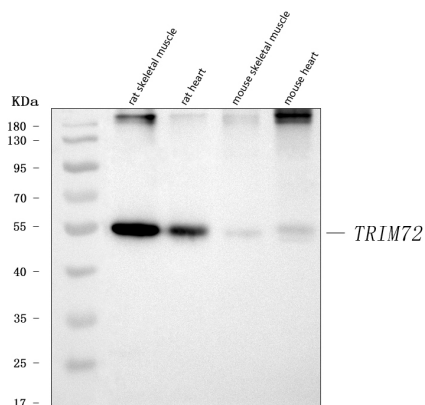


Figure 1. Western blot analysis of anti- MG53/TRIM72 antibody (A06982-2). The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: rat skeletal muscle tissue lysates,

Lane 2: rat heart tissue lysates,

Lane 3: mouse skeletal muscle tissue lysates,

Lane 4: mouse heart tissue lysates.

Use rabbit anti- MG53/TRIM72 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for MG53/TRIM72 at approximately 55KD. The expected band size for MG53/TRIM72 is at 53KD.