

Rabbit MG53/TRIM72 Polyclonal Antibody | anti-TRIM72 antibody

Anti-MG53/TRIM72 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19578	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MG53/TRIM72; Polyclonal Antibody; Anti-MG53/TRIM72 Antibody Picoband; anti-TRIM72 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-TRIM72 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	WB: 0.25-0.5 ug/ml, Mouse, Rat IHC-P: 2-5 ug/ml, Human, Mouse, Rat IF: 5 ug/ml, Human FC/FACS: 1-3 ug/1x10 ⁶ cells, Human Direct ELISA: 0.1-0.5 ug/ml, Human Tested Species: In-house tested species with positive results. Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC(P).
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human MG53/TRIM72 recombinant protein (Position: E28-A477).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM (Flow Cytometry)

Figure 6. Flow Cytometry analysis of THP-1 cells using anti-MG53/TRIM72 antibody (AAA19578).Overlay histogram showing THP-1 cells stained with AAA19578 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-MG53/TRIM72 Antibody (AAA19578, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 5. IF analysis of MG53/TRIM72 using anti-MG53/TRIM72 antibody (AAA19578).MG53/TRIM72 was detected in a paraffin-embedded section of human skeletal muscle tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5 ug/mL rabbit anti-MG53/TRIM72 Antibody (AAA19578) overnight at 4 degree C. DyLight550 Conjugated Goat Anti-Rabbit IgG (BA1135) was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



IHC (Immunohistochemistry)

Figure 4. IHC analysis of MG53/TRIM72 using anti-MG53/TRIM72 antibody (AAA19578).MG53/TRIM72 was detected in a paraffin-embedded section of rat heart tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-MG53/TRIM72 Antibody (AAA19578) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of MG53/TRIM72 using anti-MG53/TRIM72 antibody (AAA19578).MG53/TRIM72 was detected in a paraffin-embedded section of mouse cardiac muscle tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-MG53/TRIM72 Antibody (AAA19578) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-Rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of MG53/TRIM72 using anti-MG53/TRIM72 antibody (AAA19578).MG53/TRIM72 was detected in a paraffin-embedded section of human skeletal muscle tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-MG53/TRIM72 Antibody (AAA19578) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of MG53/TRIM72 using anti-MG53/TRIM72 antibody (AAA19578).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug 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.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MG53/TRIM72 antigen affinity purified polyclonal antibody (#AAA19578) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for MG53/TRIM72 at approximately 55 kDa. The expected band size for MG53/TRIM72 is at 53 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TRIM72 antibody	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.
Product Categories/Family for anti-TRIM72 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	270265876
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NCBI GeneID	493829
NCBI Accession #	NP_001008275
NCBI GenBank Nucleotide #	NM_001008274
UniProt Accession #	Q6ZMU5 ; Q8N4X6 ; Q8NBD9
Molecular Weight	29,501 Da
NCBI Official Full Name	tripartite motif-containing protein 72
NCBI Official Synonym Full Names	tripartite motif containing 72, E3 ubiquitin protein ligase
NCBI Official Symbol	TRIM72
NCBI Official Synonym Symbols	MG53
NCBI Protein Information	tripartite motif-containing protein 72; TRIM72; mitsugumin 53; mitsugumin-53; tripartite motif-containing 72
UniProt Protein Name	Tripartite motif-containing protein 72
UniProt Gene Name	TRIM72
UniProt Synonym Gene Names	Mg53
UniProt Entry Name	TRI72_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mg53-trim72-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/19578>