

Goat anti-TRIM72, Biotinylated Antibody
Peptide-affinity purified goat antibody
Catalog # AF4481a**Specification**

Goat anti-TRIM72, Biotinylated Antibody - Product Information

Application	WB, Pep-ELISA
Primary Accession	O6ZMU5
Other Accession	NP_001008275.1
Reactivity	Human, Mouse, Rat, Dog, Bovine
Host	Goat
Clonality	Polyclonal
Calculated MW	52731

Goat anti-TRIM72, Biotinylated Antibody - Additional Information**Gene ID** 493829**Other Names**

TRIM72; tripartite motif-containing 72

Dilution

WB~~1:1000

Pep-ELISA~~N/A

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat anti-TRIM72, Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat anti-TRIM72, Biotinylated Antibody - Protein Information**Name** TRIM72 ([HGNC:32671](#))**Synonyms** MG53**Function**

Muscle-specific E3 ubiquitin-protein ligase that plays a central role in cell membrane repair by nucleating the assembly of the repair machinery at injury sites (PubMed:36944613). Its

ubiquitination activity is mediated by E2 ubiquitin-conjugating enzymes UBE2D1, UBE2D2 and UBE2D3 (By similarity). Acts as a sensor of oxidation: upon membrane damage, entry of extracellular oxidative environment results in disulfide bond formation and homooligomerization at the injury site (By similarity). This oligomerization acts as a nucleation site for recruitment of TRIM72-containing vesicles to the injury site, leading to membrane patch formation (By similarity). Probably acts upstream of the Ca(2+)-dependent membrane resealing process (By similarity). Required for transport of DYSF to sites of cell injury during repair patch formation (By similarity). Regulates membrane budding and exocytosis (By similarity). May be involved in the regulation of the mobility of KCNB1-containing endocytic vesicles (By similarity).

Cellular Location

Cell membrane, sarcolemma. Cytoplasmic vesicle membrane Note=Tethered to plasma membrane and cytoplasmic vesicles via its interaction with phosphatidylserine. {ECO:0000250, ECO:0000269|PubMed:36944613, ECO:0000269|PubMed:37770719}

Goat anti-TRIM72, Biotinylated Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat anti-TRIM72, Biotinylated Antibody - Images