bs-7525R

- DATASHEET -

[Primary Antibody]

TNMD Rabbit pAb



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Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Dog, Horse)

Predicted MW.: ^{37 kDa}

Subcellular Cell membrane ,Cytoplasm Location: ,Nucleus

Clonality: Polyclonal

Host: Rabbit

SWISS: Q9H2S6

Isotype: IgG

GenelD: 64102 Target: TNMD

Immunogen: KLH conjugated synthetic peptide derived from human TNMD: 151-250/317. < Extracellular >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes a protein that is related to chondromodulin-I, which is a cartilage-specific glycoprotein that functions to stimulate chondrocyte growth and to inhibit tube formation of endothelial cells. This protein is also an angiogenesis inhibitor. Genetic variation in this gene is associated with a risk for type 2 diabetes, central obesity and serum levels of systemic immune mediators in a body size-dependent manner. This gene is also a candidate gene for age-related macular degeneration, though a direct link has yet to be demonstrated. [provided by RefSeq, Sep 2009].

- VALIDATION IMAGES



Sample: Lane 1: Muscle (Rat) Lysate at 40 ug Lane 2: HepG2 (Human) Cell Lysate at 30 ug Lane 3: Heart (Rat) Lysate at 40 ug Lane 4: SW480 (Human) Cell Lysate at 30 ug Primary: Anti-TNMD (bs-7525R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 37 kD Observed band size: 35 kD



Sample: Lane 1: Skeletal muscle (Rat) Lysate at 40 ug Lane 2: Skeletal muscle (Mouse) Lysate at 40 ug Primary: Anti-TNMD (bs-7525R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 37 kD Observed band size: 37 kD



Paraformaldehyde-fixed, paraffin embedded (mouse skeletal muscle); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TNMD) Polyclonal Antibody, Unconjugated (bs-7525R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TNMD) Polyclonal Antibody, Unconjugated (bs-7525R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

- SELECTED CITATIONS -

- [IF=29.4] Yu-Chung Liu. et al. Assembly of Interfacial Polyelectrolyte Complexation Fibers with Mineralization Gradient for Physiologically-Inspired Ligament Regeneration. ADV MATER. 2024 Apr;:2314294 IHC ;Rabbit. 38572797
- [IF=29.4] Yu-Chung Liu. et al. Assembly of Interfacial Polyelectrolyte Complexation Fibers with Mineralization Gradient for Physiologically-Inspired Ligament Regeneration. ADV MATER. 2024 Apr;:2314294 IHC ;Rabbit. 38572797
- [IF=19] Xuan Yao. et al. Dual Dynamic Crosslinked Hydrogel Patch Embodied with Anti-Bacterial and Macrophage Regulatory Properties for Synergistic Prevention of Peritendinous Adhesion. ADV FUNCT MATER. 2024 May;:2400660 IF ;Rat. 10.1002/adfm.202400660
- [IF=18] Li, Danmei. et al. Restoring tendon microenvironment in tendinopathy: Macrophage modulation and tendon regeneration with injectable tendon hydrogel and tendon-derived stem cells exosomes. BIOACT MATER. 2025 Jan22;47:152–169 IF ;rabbit. 39906648
- [IF=17.1] Zhirui Dong. et al. Tendon Repair and Regeneration Using Bioinspired Fibrillation Engineering That Mimicked the Structure and Mechanics of Natural Tissue. ACS NANO. 2023;XXXX(XXX):XXX-XXX WB,IHC ;Rat. 37656882