

## Anti-Tenomodulin Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse, Rat (predicted: Dog, Pig, Cow, Horse, Rabbit, Sheep)
Molecular Weight:	Theoretical: 37 kDa. Actual: 37 kDa.
Purification:	Protein A purified

## Applications

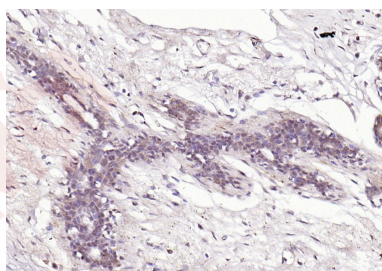
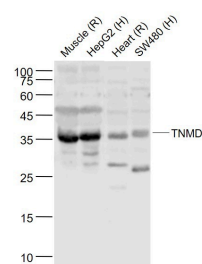
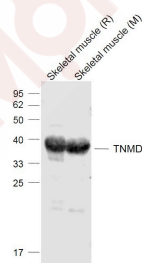
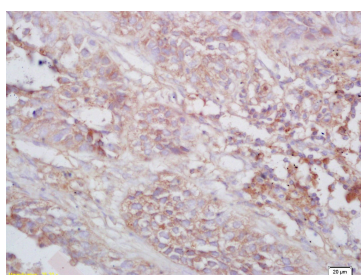
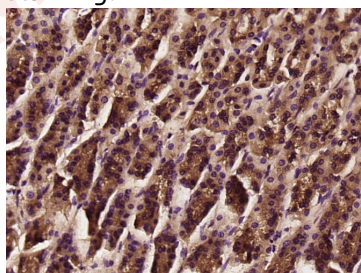
1. Paraformaldehyde-fixed, paraffin embedded (rat stomach tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TNMD) Polyclonal Antibody, Unconjugated (TMAB-01817) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
2. Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-TNMD/tenomodulin Polyclonal Antibody, Unconjugated (TMAB-01817) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
3. Sample:  
Lane 1: Skeletal muscle (Rat) Lysate at 40 µg  
Lane 2: Skeletal muscle (Mouse) Lysate at 40 µg  
Primary: Anti-TNMD (TMAB-01817) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 37 kDa  
Observed band size: 37 kDa
4. Sample:  
Lane 1: Muscle (Rat) Lysate at 40 µg  
Lane 2: HepG2 (Human) Cell Lysate at 30 µg  
Lane 3: Heart (Rat) Lysate at 40 µg  
Lane 4: SW480 (Human) Cell Lysate at 30 µg  
Primary: Anti-TNMD (TMAB-01817) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 37 kDa  
Observed band size: 35 kDa
5. Paraformaldehyde-fixed, paraffin embedded (Human mammary gland); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TNMD) Polyclonal Antibody, Unconjugated (TMAB-01817) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
6. Paraformaldehyde-fixed, paraffin embedded (rat skeletal muscle); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TNMD) Polyclonal Antibody, Unconjugated (TMAB-01817) at 1:200

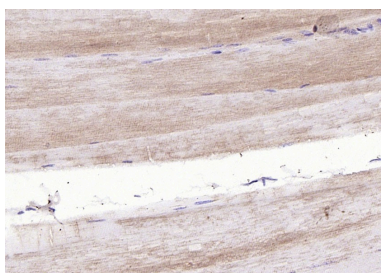
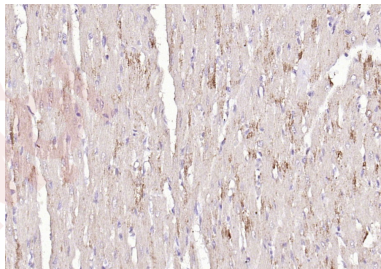
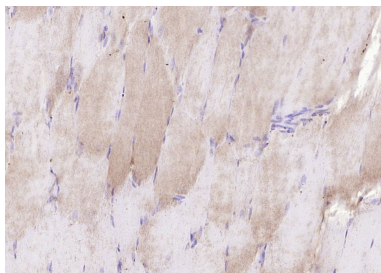
Verified Activity:

overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

7. Paraformaldehyde-fixed, paraffin embedded (rat heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TNMD) Polyclonal Antibody, Unconjugated (TMAB-01817) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

8. Paraformaldehyde-fixed, paraffin embedded (mouse skeletal muscle); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TNMD) Polyclonal Antibody, Unconjugated (TMAB-01817) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.





Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human TNMD

Antigen Species: Human

Gene ID: 64102

Uniprot ID: Q9H2S6

Synonyms: Tnmd;Tenomodulin;Chondromodulin-I-like protein;Myodulin;Tendin;mTeM;TeM;Chondromodulin-1-like protein (ChM1L;mChM1L);Chm1l

Biology Area: Inhibitors

### Research 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].

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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