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# Goat anti-TNNT3 Antibody

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| **Item Number** | dAP-2842 |
| **Target Molecule** | Principle Name: TNNT3; Official Symbol: TNNT3; All Names and Symbols: TNNT3; troponin T type 3 (skeletal, fast); TNTF; beta TnTF; beta-TnTF; fTnT; fast skeletal muscle troponin T; troponin T, fast skeletal muscle; troponin-T3, skeletal, fast; Accession Number (s): NP_006748.1; NP_001036246.1; NP_001036247.1; Human Gene ID(s): 7140; Non-Human GeneID(s): 21957 (mouse) 24838 (rat) |
| **Immunogen** | TTLRSRIDQAQKHSK, is from C Terminus<br>This antibody is expected to recognize isoform 1, 2 and 4 (NP_006748.1; NP_001036246.1; NP_001036247.1). Reported variants represent identical protein: NP_001284575.1, NP_001036247.1 |
| **Applications** | Pep ELISA, WB, IHC<br><br>Species Tested: Human, Mouse, Rat |
| **Purification** | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| **Supplied As** | lyophilized powder of 50ug or 100ug IgG; Reconsititute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.<br>Aliquot and store at -20°C. Minimize freezing and thawing. |
| **Peptide ELISA** | Peptide ELISA: antibody detection limit dilution 1 to 128000. |
| **Western Blot** | Western Blot: Approx 35kDa band observed in Human, Mouse and Rat Skeletal Muscle lysates (calculated MW of 30.6kDa according to NP_006748.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Marian et |
| **IHC** | Immunohistochemistry: In paraffin embedded Human Skeletal Muscle shows staining of select fibrils. Recommended concentration, 4-8µg/ml. |
| **Reference** | Reference(s): Zhao N, Jiang M, Han W, Bian C, Li X, Huang F, Kong Q, Li J. A novel mutation in TNNT3 associated with Sheldon-Hall syndrome in a Chinese family with vertical talus. Eur J Med Genet. 2011 May-Jun;54(3):351-3..PMID: 21402185-> |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only