

Goat anti-tropomyosin 4 / TPM4 Antibody

Item Number	dAP-3105
Target Molecule	Principle Name: tropomyosin 4 / TPM4; Official Symbol: TPM4; All Names and Symbols: TPM4; tropomyosin 4; TM30p1; tropomyosin alpha-4 chain; tropomyosin-4; Accession Number (s): NP_001138632.1; NP_003281.1; Human Gene ID(s): 7171; Non-Human GeneID(s): 326618 (mouse) 24852 (rat)
Immunogen	ENVGLHQTLDQ, is from C Terminus This antibody is expected to recognize both reported isoforms (NP_001138632.1; NP_003281.1).
Applications	Pep ELISA, WB Species Tested: Human, Mouse, Pig
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; Reconstitute 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. 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 32kDa band observed in Human Platelets, Pig Heart and in NIH3T3 lysates (calculated MW of 32.7kDa according to NP_001138632.1). Recommended concentration: 0.1-0.3µg/ml.
IHC	
Reference	Reference(s): Vlahovich N, Schevzov G, Nair-Shaliker V, Ilkovski B, Artap ST, Joya JE, Kee AJ, North KN, Gunning PW, Hardeman EC. Tropomyosin 4 defines novel filaments in skeletal muscle associated with muscle remodelling/regeneration in normal and diseased muscle. Cell motility and the cytoskeleton 2008

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**