

Goat anti-TGM7 Antibody

Item Number	dAP-2300
Target Molecule	Principle Name: TGM7; Official Symbol: TGM7; All Names and Symbols: TGM7; transglutaminase 7; TGMZ; transglutaminase Z; Accession Number (s): NP_443187.1; Human Gene ID(s): 116179; Non-Human GeneID(s): 640543 (mouse)
Immunogen	KIEISQQGHSVT, is from internal region
Applications	Pep ELISA, WB, IHC Species Tested: Human, Mouse
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 16000.
Western Blot	Western Blot: Approx 75kDa band observed in Human Lung and Testis and in Mouse Kidney, Lung and Testis lysates (calculated MW of 79.9kDa according to Human NP_443187.1 and 79.8kDa according to Mouse NP_001153896.1). Recommended concentration: 0.1-0.3µg/m
IHC	Immunohistochemistry: Paraffin embedded Human Kidney. Recommended concentration: 5µg/ml.
Reference	Reference(s): Grenard P, Bates MK, Aeschlimann D, Evolution of transglutaminase genes: identification of a transglutaminase gene cluster on human chromosome 15q15. Structure of the gene encoding transglutaminase X and a novel gene family member, transglutaminase Z. The Journal of biological chemistry 2001

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**