



Goat anti-transglutaminase 4 (aa49-63) Antibody

Item Number	dAP-2513
Target Molecule	Principle Name: transglutaminase 4 (aa49-63); Official Symbol: TGM4; All Names and Symbols: TGM4; transglutaminase 4 (prostate); FLJ26776; TGP; hTGP; TG(P); TGase P; TGase-4; fibrinolygase; prostate transglutaminase; prostate-specific transglutaminase; protein-glutamine gamma-glutamyltransferase 4; transglutaminase P; transglutaminase-4; Accession Number (s): NP_003232.2; Human Gene ID(s): 7047; Non-Human GeneID(s):
Immunogen	NQPLQSYHQLKLEFS, is from internal region (near N Terminus)
Applications	Pep ELISA, WB Species Tested: Human
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 lysates of cell line HeLa (calculated MW of 77.1kDa according to NP_003232.2). Recommended concentration: 1-3µg/ml.
IHC	
Reference	Reference(s): Jiang WG, Ye L, Ablin RJ, Kynaston HG, Mason MD. The prostate transglutaminase, TGase-4, coordinates with the HGFL/MSP RON system in stimulating the migration of prostate cancer cells. Int J Oncol. 2010 Aug;37(2):413-8..PMID: 20596668->

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**