

Goat anti-TGM2 Antibody

Item Number	dAP-1104
Target Molecule	Principle Name: TGM2; Official Symbol: TGM2; All Names and Symbols: TGM2; transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase); TG2; TGC; C polypeptide; TGase C; TGase-H; protein-glutamine-gamma-glutamyltransferase; tissue transglutaminase; transglutaminase 2; transglutaminase C; Accession Number (s): NP_004604.2; Human Gene ID(s): 7052; Non-Human GeneID(s):
Immunogen	NFESDKLKAVKGFR, is from internal region (near the C Terminus) This antibody is expected to recognise isoform a (NP_004604.2) only.
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 128000.
Western Blot	Western Blot: Approx 90kDa band observed in Human Lung lysates and approx 85kDa in lysates of cell line A549 (calculated MW of 77.3kDa according to NP_004604.2). Recommended concentration: 0.03-0.1µg/ml.
IHC	
Reference	Reference(s): Verma A, Wang H, Manavathi B, Fok JY, Mann AP, Kumar R, Mehta K. Increased expression of tissue transglutaminase in pancreatic ductal adenocarcinoma and its implications in drug resistance and metastasis. Cancer Res. 2006 Nov 1;66(21):10525-33. .PMID: 17079475 ->

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**