



Goat anti-Transglutaminase 2 (aa578-591) Antibody

Item Number	dAP-2523
Target Molecule	Principle Name: Transglutaminase 2 (aa578-591); Official Symbol: TGM2; All Names and Symbols: TGM2; transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase); G-ALPHA-h; GNAH; TG2; TGC; C polypeptide; TG(C); TGase C; TGase H; TGase-2; TGase-H; protein-glutamine gamma-glutamyltransferase 2; protein-glutamine-gamma-glutamyltran; Accession Number (s): NP_004604.2; Human Gene ID(s): 7052; Non-Human GeneID(s): 21817 (mouse) 56083 (rat)
Immunogen	ERDLYLENPEIKIR, is from internal region This antibody is expected to recognize isoform a (NP_004604.2) only.
Applications	Pep ELISA, WB Species Tested: 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; 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 8000.
Western Blot	Western Blot: Approx 80kDa band observed in Mouse and Rat Kidney lysates (calculated MW of 77.3kDa according to Human NP_004604.2 and 77.0kDa according to Mouse NP_033399.1). Recommended concentration: 1-3µg/ml.
IHC	
Reference	Reference(s): Chen SH, Lin CY, Lee LT, Chang GD, Lee PP, Hung CC, Kao WT, Tsai PH, Schally AV, Hwang JJ, Lee MT. Up-regulation of fibronectin and tissue transglutaminase promotes cell invasion involving increased association with integrin and MMP

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**