

AP08540PU-N**Polyclonal Antibody to Transglutaminase-2 (TGM2) - Aff - Purified**

Alternate names:	Protein-glutamine gamma-glutamyltransferase 2, TGase C, TGase-H, Tissue transglutaminase
Quantity:	50 µl
Concentration:	1 mg/ml
Background:	Transglutaminase 2 catalyses the cross linking of proteins and the conjugation of polyamines to proteins. While the primary structure of transglutaminases is not conserved, they all have the same amino acid sequence at their active sites and their activity is calcium dependent. The protein encoded by this gene acts as a monomer, is induced by retinoic acid, and appears to be involved in apoptosis. Finally, the encoded protein is the autoantigen implicated in celiac disease. Two transcript variants encoding different isoforms have been found for this gene.
Uniprot ID:	P21980
NCBI:	NP_004604.2
GeneID:	7052
Host / Isotype:	Rabbit / IgG
Immunogen:	Recombinant full length human TGase II (77-85kD).
Format:	State: Liquid purified Ig fraction Purification: Protein A Chromatography Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 0.2% BSA as stabilizer
Applications:	Immunohistochemistry on Paraffin Sections: 5 µg/ml. Immunoprecipitation. Western Blot: 5 - 10 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Recognizes human Transglutaminase II at ~77-85kD. Cellular Localization: Cytoplasm, cell membrane, and extracellular matrix.
Species Reactivity:	Tested: Human. Expected from sequence similarity: Mouse and Rat.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

Placenta: Formalin-Fixed Paraffin-Embedded (FFPE)

