



Rabbit Anti-Human TGM2 Polyclonal Antibody (CABT-L2153)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Transglutaminase 2, Tissue (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against TGM2. It has been selected for its ability to recognize TGM2 in immunohistochemical staining and western blotting.
Target	TGM2
Immunogen	Recombinant fragment corresponding to human TGM2 (Met1~Ala687)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	Transglutaminases are enzymes that catalyze the crosslinking of proteins by epsilon-gamma glutamyl lysine isopeptide bonds. 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. [provided by RefSeq, Jul 2008]
Keywords	tTG;TG2;C Polypeptide,Protein-Glutamine-Gamma-Glutamyltransferase;Transglutaminase C;Transglutaminase H

GENE INFORMATION

Gene Name	TGM2 transglutaminase 2 [Homo sapiens (human)]
Official Symbol	TGM2
Synonyms	TGM2; transglutaminase 2; TG2; TGC; GNAH; HEL-S-45; G-ALPHA-h; protein-glutamine gamma-glutamyltransferase 2; TG(C); TGase C; TGase H; TGase-2; TGase-H; transglutaminase C; transglutaminase H; transglutaminase-2; tissue transglutaminase; epididymis secretory protein Li 45; protein-glutamine-gamma-glutamyltransferase; C polypeptide, protein-glutamine-gamma-glutamyltransferase;
Entrez Gene ID	7052
Protein Refseq	NP_004604
UniProt ID	P21980
Chromosome Location	20q12
Pathway	Huntingtons disease; Thromboxane A2 receptor signaling;
Function	GTP binding; metal ion binding; protein binding; protein domain specific binding; protein-glutamine gamma-glutamyltransferase activity;