

Product datasheet for **TA303243**

Transglutaminase 2 (TGM2) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 0.03-0.1ug/mL
Reactivity:	Human
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-NFESDKLKAVKGFR, from the internal region (near the C Terminus) of the protein sequence according to NP_004604.2.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 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.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	transglutaminase 2
Database Link:	NP_004604 Entrez Gene 7052 Human P21980



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Background:

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]

Synonyms:

G-ALPHA-h; GNAH; HEL-S-45; TG2; TGC

Protein Families:

Druggable Genome

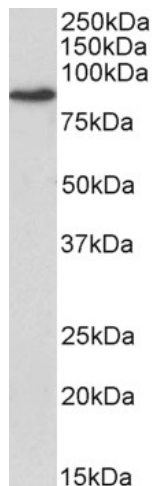
Protein Pathways:

Huntington's disease

Product images:



TA303243 (0.03ug/ml) staining of Human Lung lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



TA303243 (0.1ug/ml) staining of A549 lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.