

## ARG10593 anti-TGM2 / Tissue transglutaminase antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes TGM2 / Tissue transglutaminase
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-Fr, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TGM2 / Tissue transglutaminase
Species	Human
Immunogen	Synthetic peptide derived from Human TGM2 / Tissue transglutaminase protein: LERCDLELETNGRDHHTADLCREKLVVR
Conjugation	Un-conjugated
Alternate Names	TG2; G-ALPHA-h; TGase H; Transglutaminase C; TGase C; HEL-S-45; Transglutaminase-2; Tissue transglutaminase; C; TGase-2; TGC; Protein-glutamine gamma-glutamyltransferase 2; TG; Transglutaminase H; GNAH; EC 2.3.2.13

### Application Instructions

Application table	Application	Dilution
	IHC-Fr	0.5 - 1 µg/ml
	IHC-P	0.5 - 1 µg/ml
	WB	0.5 - 1 µg/ml

**Application Note** Antigen retrieval for IHC-P: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes.

\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	1X PBS, 0.025% Sodium azide and 2.5% BSA
Preservative	0.025% Sodium azide
Stabilizer	2.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

**Database links**

[GeneID: 21817 Mouse](#)

[GeneID: 7052 Human](#)

[Swiss-port # P21980 Human](#)

[Swiss-port # P21981 Mouse](#)

**Gene Symbol** TGM2

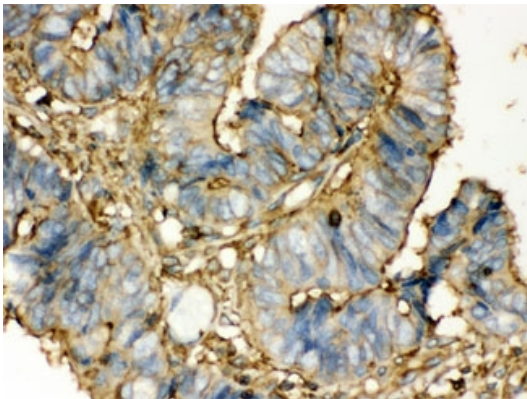
**Gene Full Name** transglutaminase 2

**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, Jul 2008]

**Function** Catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins. [UniProt]

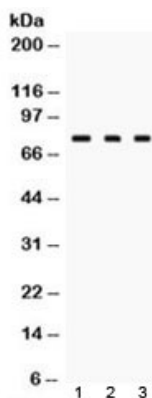
**Calculated Mw** 77 kDa

## Images



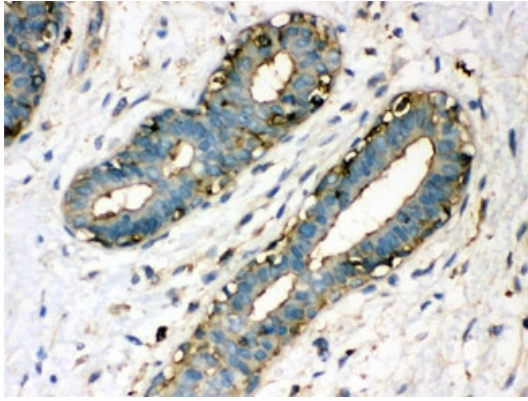
ARG10593 anti-TGM2 antibody IHC-P image

Immunohistochemistry: Human intestine cancer stained with ARG10593 anti-TGM2 antibody.



ARG10593 anti-TGM2 antibody WB image

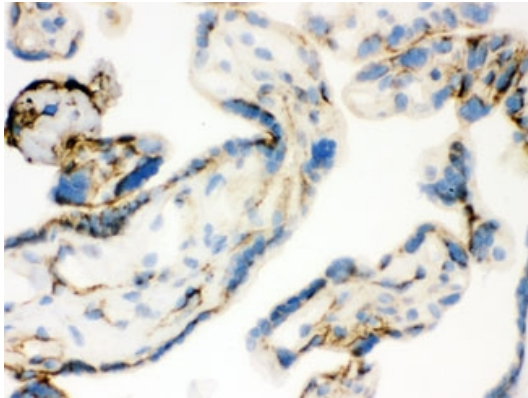
Western blot: 1) Rat liver, 2) Rat ovary, and 3) HeLa cell lysate stained with ARG10593 anti-TGM2 antibody.



ARG10593 anti-TGM2 antibody IHC-P image

Immunohistochemistry: Human breast cancer stained with ARG10593 anti-TGM2 antibody.

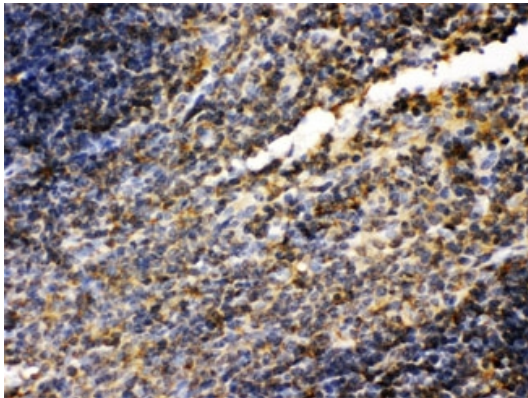
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ARG10593 anti-TGM2 antibody IHC-Fr image

Immunohistochemistry: Human placental tissue stained with ARG10593 anti-TGM2 antibody.

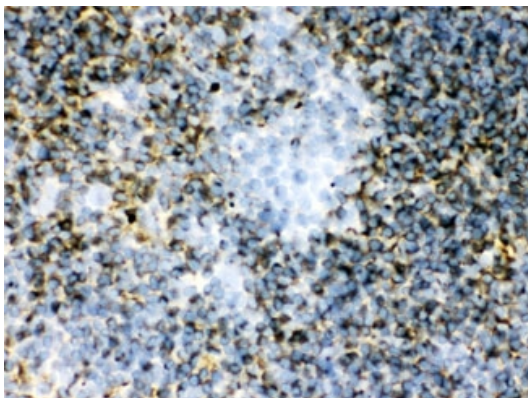
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ARG10593 anti-TGM2 antibody IHC-P image

Immunohistochemistry: Mouse spleen tissue stained with ARG10593 anti-TGM2 antibody.

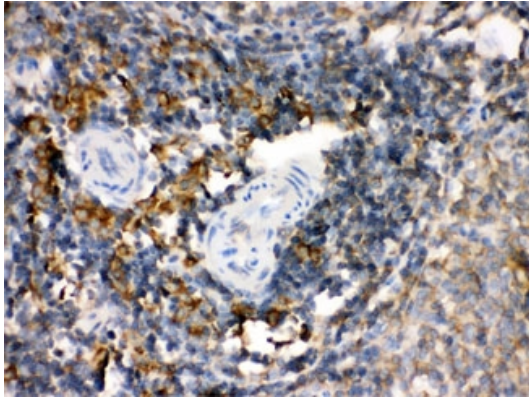
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ARG10593 anti-TGM2 antibody IHC-Fr image

Immunohistochemistry: Mouse spleen tissue stained with ARG10593 anti-TGM2 antibody.

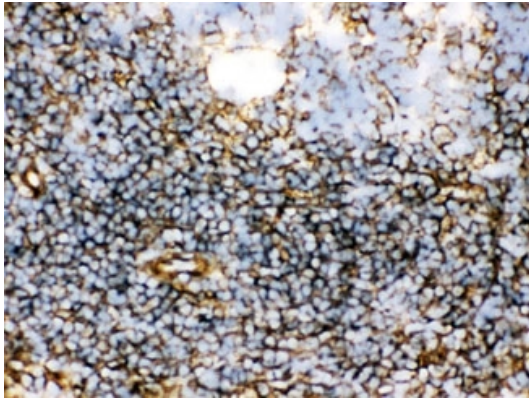
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ARG10593 anti-TGM2 antibody IHC-P image

Immunohistochemistry: Rat spleen tissue stained with ARG10593 anti-TGM2 antibody.

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ARG10593 anti-TGM2 antibody IHC-Fr image

Immunohistochemistry: Rat spleen tissue stained with ARG10593 anti-TGM2 antibody.

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