

Datasheet for ABIN6747111

anti-Transglutaminase 2 antibody (AA 431-480)



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2 Images

Overview

Quantity:	100 µL
Target:	Transglutaminase 2 (TGM2)
Binding Specificity:	AA 431-480
Reactivity:	Human, Mouse, Rat, Monkey, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Transglutaminase 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic peptide located between aa431-480 of human TGM2 (P21980-2, NP_945189). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Rabbit (100%), Hamster, Elephant, Guinea pig (92%), Dog, Bovine, Horse, Pig, Turkey, Zebra finch, Zebrafish (90%), Galago, Bat, Chicken, Seabass, Salmon, Stickleback (85%), Orangutan, Baboon, Xenopus (83%), Medaka (81%). Type of Immunogen: Synthetic peptide
Isotype:	IgG
Specificity:	Human TGM2 / Transglutaminase 2

Product Details

Predicted Reactivity: Percent identity by BLAST analysis: Human (100%) Mouse, Rat, Guinea pig (92%) Dog, Bovine, Horse, Chicken (85%) Zebrafish (84%).

Purification: Immunoaffinity purified

Target Details

Target: Transglutaminase 2 (TGM2)

Alternative Name: TGM2 / Transglutaminase 2 ([TGM2 Products](#))

Background: Name/Gene ID: TGM2

Synonyms: TGM2, G-ALPHA-h, GNAH, TG(C), Transglutaminase 2, Transglutaminase C, TG2, TGase H, TGase-2, TGase-H, Transglutaminase H, TGase C, TGC, TTG, C polypeptide, Tgase II, Tissue transglutaminase, Transglutaminase-2

Gene ID: 7052

NCBI Accession: [NP_945189](#)

UniProt: [P21980](#)

Pathways: [Tube Formation](#), [Thromboxane A2 Receptor Signaling](#)

Application Details

Application Notes: Approved: IHC, IHC-P (5 µg/mL), WB (0.2 - 1 µg/mL)

Usage: ELISA titer using peptide based assay: 1:312500. Western Blot: Suggested dilution at 0.25 µg/mL in 5 % skim milk / PBS buffer, and HRP conjugated anti-Rabbit IgG should be diluted in 1:50000 - 100000 as second antibody.

Comment: Target Species of Antibody: Human

Restrictions: For Research Use only

Handling

Format: Lyophilized

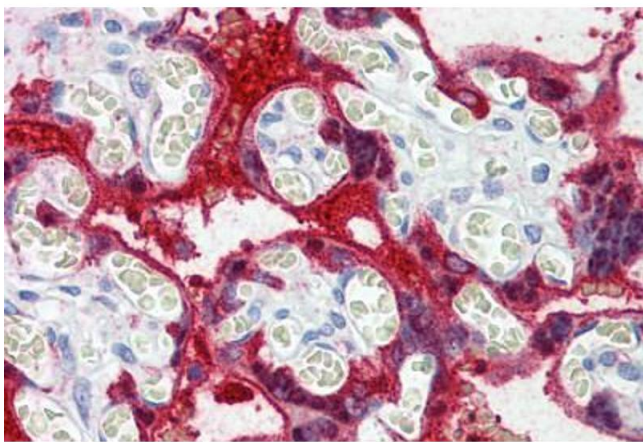
Reconstitution: Distilled Water.

Concentration: Lot specific

Handling

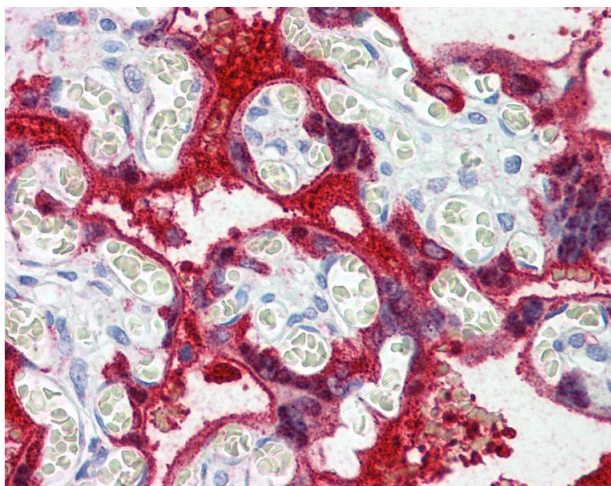
Buffer:	Lyophilized from PBS with 2 % sucrose
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C, -20 °C
Storage Comment:	Long term: -20°C, the use of 50% glycerol is recommended if storing aliquots in -20°C for long term use (up to 1 year) Short term (less than 1 week): 4°C. Avoid freeze-thaw cycles.

Images



Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

Image 1. Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunohistochemistry

Image 2. Anti-TGM2 / Transglutaminase 2 antibody IHC of human placenta. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. This image was taken for the unconjugated form of t ...