PAB830Hu01

Polyclonal Antibody to Transglutaminase 2 (TGM2)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Polyclonal antibody preparation

Host: Rabbit

Purification: Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Traits: Liquid

Concentration: 0.5mg/mL

UOM: 100µL

Cross Reactivity: Mouse;Rat

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant TGM2 (Met1~Ala687) expressed in *E.coli*

Accession No.: RPB830Hu01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-20µg/mL;

Immunofluorescence: 5-20µg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

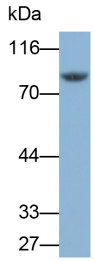
Store at 4ºC for frequent use.

Aliquot and store at -20ºC for 24 months.

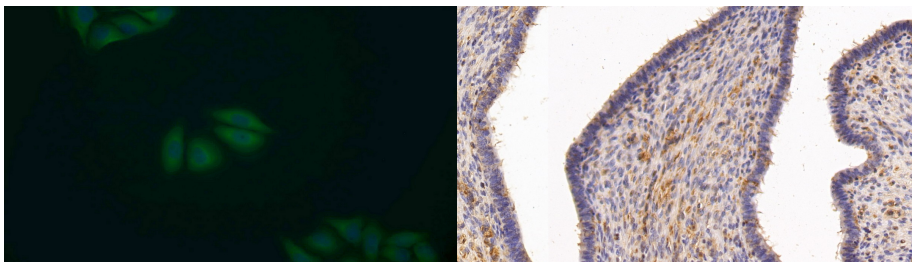
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[IDENTIFICATION]

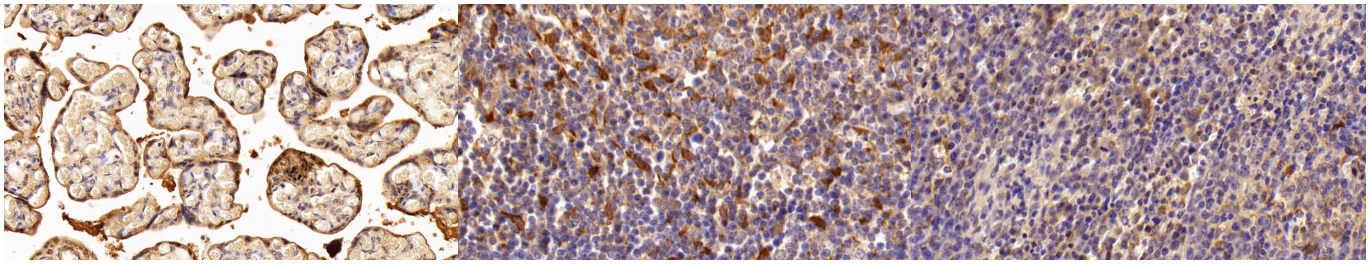


Western Blot; Sample: Hela cell lysate Primary Ab: 0.3μg/ml Rabbit Anti-Human TGM2 Antibody Second Ab: 0.2μg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



FITC staining on IF; Samples: Human MCF7 cell; Primary Ab: 20μg/ml Rabbit Anti-Human TGM2 Antibody Second Ab: 1.5μg/ml FITC-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb18)

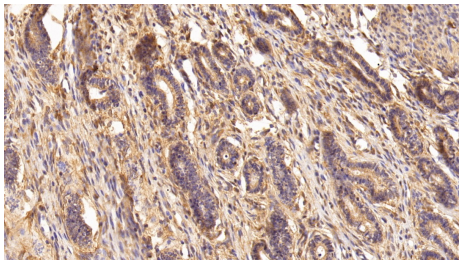
DAB staining on IHC-P; Sample: Human Uterus Tissue; Primary Ab: 20μg/ml Rabbit Anti-Human TGM2 Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



DAB staining on IHC-P; Sample: Human Placenta Tissue; Primary Ab: 20μg/ml Rabbit Anti-Human TGM2 Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)

DAB staining on IHC-P; Sample: Human Lymph node Tissue; Primary Ab: 20μg/ml Rabbit Anti-Human TGM2 Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)

DAB staining on IHC-P; Sample: Human Spleen Tissue; Primary Ab: 20μg/ml Rabbit Anti-Human TGM2 Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



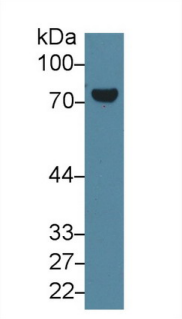
DAB staining on IHC-P;

Sample: Human Uterus Tissue;

Primary Ab: 20μg/ml Rabbit Anti-Human TGM2 Antibody

Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)

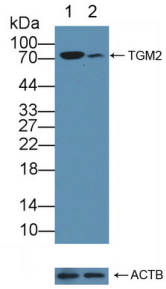


Western Blot; Sample: Mouse Placenta lysate;

Primary Ab: 1μg/ml Rabbit Anti-Human TGM2 Antibody

Second Ab: 0.2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)



Knockout Varification:

Lane 1: Wild-type Hela cell lysate;

Lane 2: TGM2 knockout Hela cell lysate;

Predicted MW: 77kd

Observed MW: 77kd

Primary Ab: 1μg/ml Rabbit Anti-Human TGM2 Antibody

Second Ab: 0.2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

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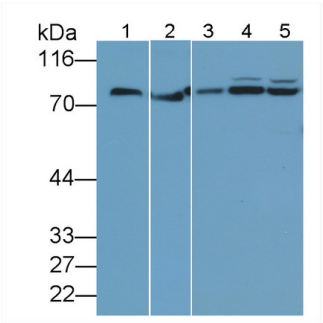
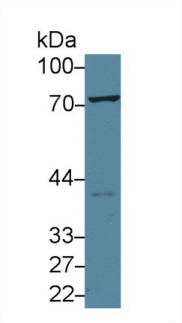


Western Blot; Sample: Lane1: Rat Lung lysate; Lane2: Rat Placenta lysate; Lane3: HepG2 cell lysate; Lane4: K562 cell lysate; Lane5: Hela cell lysate

Primary Ab: 0.1μg/ml Rabbit Anti-Human TGM2 Antibody

Second Ab: 0.2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody



Western Blot; Sample: Human MCF7 cell lysate;

Primary Ab: 1μg/ml Rabbit Anti-Human TGM2 Antibody

Second Ab: 0.2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)

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[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.