

## Anti-TGM2 antibody

<b>Cat. No.</b>	ml221329
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-TGM2 rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Fusion protein of human TGM2
<b>Reactivity</b>	Human, Mouse
<b>Content</b>	0.1 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	TGM2
<b>Full name</b>	Transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)

**Synonyms** TG2; TGC; GNAH; G-ALPHA-h

**Swissprot** P21980

#### Target 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.

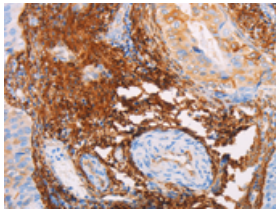
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human cervical cancer

Recommended dilution: 25-100

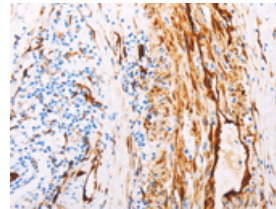


The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using ml221329(TGM2 Antibody) at dilution 1/15, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

Predicted cell location: Cytoplasm

Positive control: Human colon cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using ml221329(TGM2 Antibody) at dilution 1/15, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

### Western blotting

Predicted band size: 77 kDa

Positive control: Lovo and hela cells, human liver cancer tissue

Recommended dilution: 200-1000

Gel: 10%SDS-PAGE

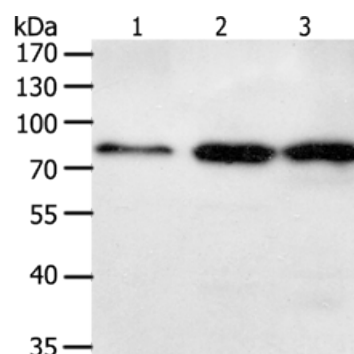
Lysate: 50 µg

Lane 1-3: Lovo cells, hela cells, human liver cancer tissue

Primary antibody: ml221329(TGM2 Antibody) at dilution 1/150

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 1 minute



#### ELISA

Recommended dilution: 1000-2000

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