

Datasheet for ABIN7647420  
**anti-Transglutaminase 2 antibody**



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## Overview

|              |                                                                                                           |
|--------------|-----------------------------------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                                                    |
| Target:      | Transglutaminase 2 (TGM2)                                                                                 |
| Reactivity:  | Mouse                                                                                                     |
| Host:        | Mouse                                                                                                     |
| Clonality:   | Monoclonal                                                                                                |
| Conjugate:   | This Transglutaminase 2 antibody is un-conjugated                                                         |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP),<br>Immunocytochemistry (ICC) |

## Product Details

|                   |                                                                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:          | Monoclonal Antibody to Transglutaminase 2 (TGM2)                                                                                                                              |
| Immunogen:        | RPB830Mu01Recombinant Transglutaminase 2 (TGM2)                                                                                                                               |
| Clone:            | C7                                                                                                                                                                            |
| Specificity:      | The antibody is a mouse monoclonal antibody raised against TGM2. It has been selected for its ability to recognize TGM2 in immunohistochemical staining and western blotting. |
| Cross-Reactivity: | Rat                                                                                                                                                                           |
| Purification:     | Protein A + Protein G affinity chromatography                                                                                                                                 |

## Target Details

|         |                           |
|---------|---------------------------|
| Target: | Transglutaminase 2 (TGM2) |
|---------|---------------------------|

## Target Details

|                   |                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | TGM2 ( <a href="#">TGM2 Products</a> )                                                                                                  |
| Background:       | TTG, TG2, C Polypeptide,Protein-Glutamine-Gamma-Glutamyltransferase, Transglutaminase 2, Tissue, Transglutaminase C, Transglutaminase H |
| UniProt:          | <a href="#">P21981</a>                                                                                                                  |
| Pathways:         | <a href="#">Tube Formation</a> , <a href="#">Thromboxane A2 Receptor Signaling</a>                                                      |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Western blotting: 0.01-2 µg/mL,Immunohistochemistry: 5-20 µg/mL,Immunocytochemistry: 5-20 µg/mL,Optimal working dilutions must be determined by end user.                                                                                                                                                                           |
| Comment:           | 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. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                               |

## Handling

|                    |                                                                                                                                                                 |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                                          |
| Concentration:     | 1 mg/mL                                                                                                                                                         |
| Buffer:            | 0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.                                                                                                |
| Preservative:      | ProClin                                                                                                                                                         |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                               |
| Storage:           | 4 °C,-20 °C                                                                                                                                                     |
| Storage Comment:   | Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. |