

Datasheet for ABIN7436144  
**anti-TRPM7 antibody (AA 19-179)**

## 7 Images

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## Overview

|                      |                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                 |
| Target:              | TRPM7                                                                                                  |
| Binding Specificity: | AA 19-179                                                                                              |
| Reactivity:          | Rat                                                                                                    |
| Host:                | Rabbit                                                                                                 |
| Clonality:           | Polyclonal                                                                                             |
| Conjugate:           | This TRPM7 antibody is un-conjugated                                                                   |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP) |

## Product Details

|                   |                                                                                                                                                                                  |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:          | Polyclonal Antibody to Transient Receptor Potential Cation Channel Subfamily M, Member 7 (TRPM7)                                                                                 |
| Immunogen:        | Recombinant Transient Receptor Potential Cation Channel Subfamily M, Member 7 (TRPM7) corresponding to Ile19~Gly179                                                              |
| Isotype:          | IgG                                                                                                                                                                              |
| Specificity:      | The antibody is a rabbit polyclonal antibody raised against TRPM7. It has been selected for its ability to recognize TRPM7 in immunohistochemical staining and western blotting. |
| Cross-Reactivity: | Human, Mouse                                                                                                                                                                     |
| Purification:     | Antigen-specific affinity chromatography followed by Protein A affinity chromatography                                                                                           |

## Target Details

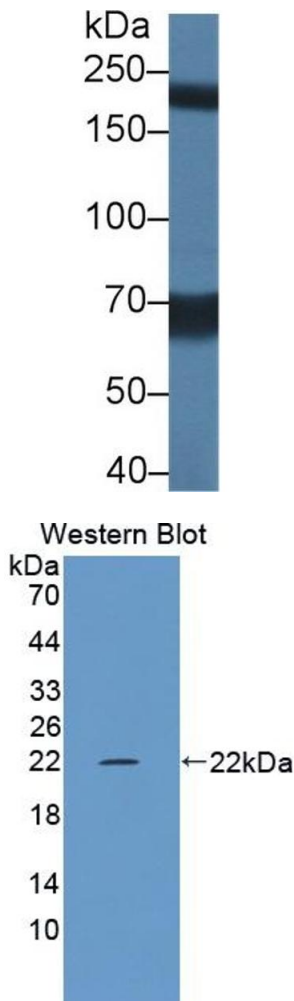
|                   |                                                                                                      |
|-------------------|------------------------------------------------------------------------------------------------------|
| Target:           | TRPM7                                                                                                |
| Alternative Name: | Transient Receptor Potential Cation Channel Subfamily M, Member 7 ( <a href="#">TRPM7 Products</a> ) |
| Background:       | CHAK, CHAK1, LTRPC7, TRP-PLIK, Channel-kinase 1, Long transient receptor potential channel 7         |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Western blotting: 0.5-2 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                                                                                                                                                          |
| Buffer:            | PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.                                                                                                     |
| Preservative:      | Sodium azide                                                                                                                                                    |
| Precaution of Use: | This product contains Sodium azide: 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. |
| Expiry Date:       | 24 months                                                                                                                                                       |



#### Western Blotting

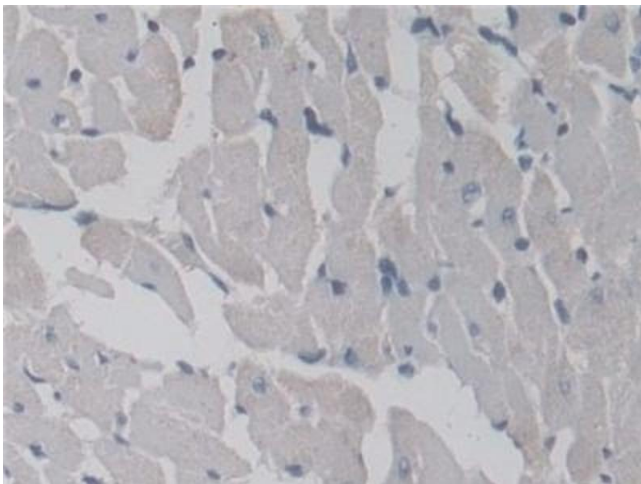
**Image 1.** Detection of TRPM7 in Rat Serum using Polyclonal Antibody to Transient Receptor Potential Cation Channel Subfamily M, Member 7 (TRPM7)

#### Western Blotting

**Image 2.** Detection of Recombinant TRPM7, Rat using Polyclonal Antibody to Transient Receptor Potential Cation Channel Subfamily M, Member 7 (TRPM7)

#### Immunohistochemistry

**Image 3.** Detection of TRPM7 in Rat Heart Tissue using Polyclonal Antibody to Transient Receptor Potential Cation Channel Subfamily M, Member 7 (TRPM7)



Please check the [product details page](#) for more images. Overall 7 images are available for ABIN7436144.