

# TRPM7 Antibody

Lot Number: RF2212365

Product Data Sheet

## Tested Species Reactivity

Human (Hu)  
Mouse (Ms)

## Tested Applications

Western Blot (WB)

1:1000

Immunohistochemistry (IHC)

1:50-1:100

\* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

## Dilution \*

## Details

<b>Catalog Number:</b>	PA5-15302
<b>Size:</b>	400 µL
<b>Class:</b>	Polyclonal
<b>Type:</b>	Antibody
<b>Clone:</b>	
<b>Host / Isotype:</b>	Rabbit / IgG
<b>Immunogen:</b>	KLH conjugated synthetic peptide between 1821-1850 amino acids from the C-terminal region of human TRPM7 (CHAK1)

## Form Information

<b>Form:</b>	Liquid
<b>Concentration:</b>	Lot-specific
<b>Purification:</b>	Ammonium sulfate precipitation, Size-exclusion - Dialysis
<b>Storage Buffer:</b>	PBS
<b>Preservative:</b>	0.09% sodium azide
<b>Storage Conditions:</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C

## Product Specific Information

*For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.*

## General Information

TRPCs, mammalian homologs of the Drosophila transient receptor potential (trp) protein, are ion channels that are thought to mediate capacitative calcium entry into the cell. TRP-PLIK is a protein that is both an ion channel and a kinase. As a channel, it conducts calcium and monovalent cations to depolarize cells and increase intracellular calcium. As a kinase, it is capable of phosphorylating itself and other substrates. The kinase activity is necessary for channel function, as shown by its dependence on intracellular ATP and by the kinase mutants.[supplied by OMIM]

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