

TRPM7 Antibody
Rabbit mAb
Catalog # AP91591

Specification

TRPM7 Antibody - Product Information

Application	WB, FC, ICC
Primary Accession	O96QT4
Reactivity	Rat
Clonality	Monoclonal
Other Names	
ALSPDC; CHAK; CHAK1; LTrpC7; TRPM7;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	212697 Da

TRPM7 Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human TRPM7
Description	Essential ion channel and serine/threonine-protein kinase. Divalent cation channel permeable to calcium and magnesium. Has a central role in magnesium ion homeostasis and in the regulation of anoxic neuronal cell death.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

TRPM7 Antibody - Protein Information

Name TRPM7

Synonyms CHAK1, LTRPC7

Function

Essential ion channel and serine/threonine-protein kinase. Divalent cation channel permeable to calcium and magnesium (PubMed: [35561741](http://www.uniprot.org/citations/35561741)). Has a central role in magnesium ion homeostasis and in the regulation of anoxic neuronal cell death. Involved in TNF- induced necroptosis downstream of MLKL by mediating calcium influx. The kinase activity is essential for the channel function. May be involved in a fundamental process that adjusts plasma membrane divalent cation fluxes according to the metabolic state of the cell. Phosphorylates annexin A1 (ANXA1).

Cellular Location

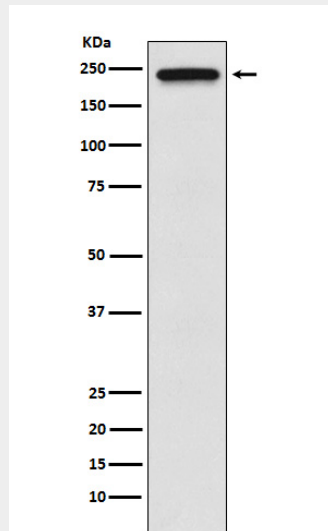
Membrane; Multi-pass membrane protein

TRPM7 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TRPM7 Antibody - Images



Western blot analysis of TRPM7 expression in HeLa cell lysate.