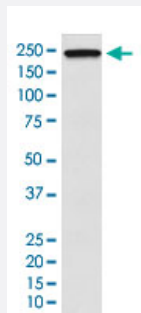


TRPM7 monoclonal antibody, clone ADGD-20

Catalog # MAB22081 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot (cell lysate) analysis of HeLa cell lysate.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic protein of human TRPM7.
Immunogen	A synthetic peptide corresponding to human TRPM7.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody reacts with human, mouse, rat TRPM7, in native form and recombinant. Superfamily members of TRPM7 are not reactive to antibody.
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:100) Immunofluorescence (1:50-200) Immunocytochemistry (1:50-200) Western Blot (1:500-2000) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot (cell lysate) analysis of HeLa cell lysate.

- Immunocytochemistry

- Immunofluorescence

- Flow Cytometry

Gene Info — TRPM7

Entrez GeneID	54822
Protein Accession#	Q96QT4
Gene Name	TRPM7
Gene Alias	CHAK, CHAK1, FLJ20117, FLJ25718, LTRPC7, TRP-PLIK
Gene Description	transient receptor potential cation channel, subfamily M, member 7
Omim ID	105500 605692
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	LTRPC ion channel family member 7

Disease

- [Adenoma](#)
- [Adenomatous Polyps](#)
- [Amyotrophic lateral sclerosis](#)
- [Brain Ischemia](#)
- [Colonic Polyps](#)
- [Colorectal Neoplasms](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Hyperplasia](#)
- [Parkinson Disease](#)
- [Stroke](#)