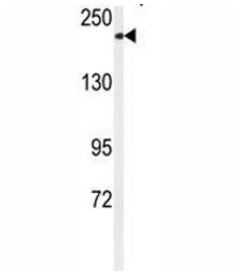
TRPM7 Antibody (F40171)

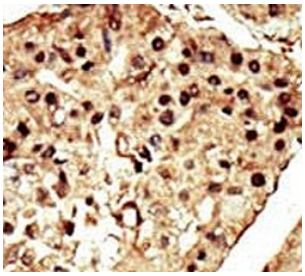
Catalog No.	Formulation	Size
F40171-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40171-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

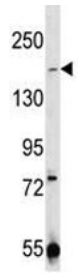
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q96QT4
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100
Limitations	This TRPM7 antibody is available for research use only.



Western blot analysis of CHAK1 / TRPM7 antibody and mouse kidney tissue lysate.



IHC analysis of FFPE human hepatocarcinoma stained with the TRPM7 antibody



TRPM7 antibody western blot analysis in 293 lysate

Description

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]

Application Notes

Titration of the TRPM7 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1821-1850 from the human protein was used as the immunogen for this TRPM7 antibody.

Storage

Aliquot the TRPM7 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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