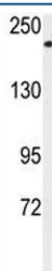


TRPM7 Antibody (F40171)

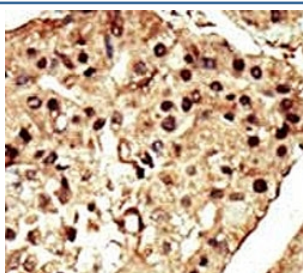
Catalog No.	Formulation	Size
F40171-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40171-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

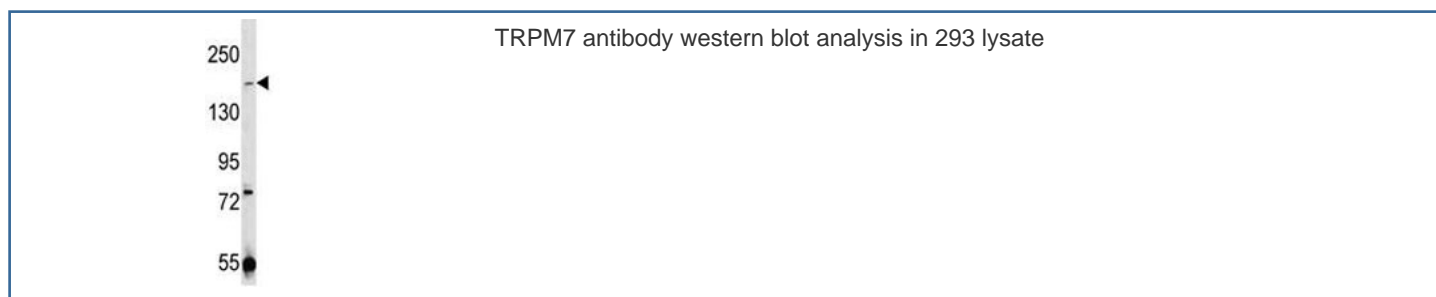
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q96QT4
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100
Limitations	This TRPM7 antibody is available for research use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



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



IHC analysis of FFPE human hepatocarcinoma stained with the TRPM7 antibody



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.