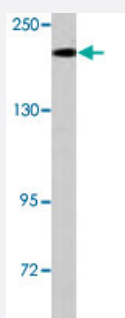


TRPM7 polyclonal antibody

Catalog # PAB3250

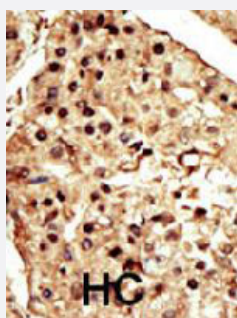
Size 400 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of mouse kidney tissue lysate (35 ug/lane) with TRPM7 polyclonal antibody (Cat # PAB3250).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with TRPM7 polyclonal antibody (Cat # PAB3250), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of TRPM7.

Immunogen

A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human TRPM7.

Host

Rabbit

Reactivity

Human

Form

Liquid

Purification

Protein G purification

Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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 (Tissue lysate)

Western blot analysis of mouse kidney tissue lysate (35 ug/lane) with TRPM7 polyclonal antibody (Cat # PAB3250).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — TRPM7

Entrez GeneID	54822
Protein Accession#	Q9BXB2
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

Publication Reference

- [Oncogenic kinase signalling.](#)

Blume-Jensen P, Hunter T.

Nature 2001 May; 411(6835):355.

- [Phosphoinositide 3-kinase signalling pathways.](#)

Cantrell DA.

Journal of Cell Science 2001 Apr; 114(Pt 8):1439.

- [The RET proto-oncogene in human cancers.](#)

Jiang SM.

Oncogene 2000 Nov; 19(49):5590.

Disease

- [Adenoma](#)

- [Adenomatous Polyps](#)

- [Amyotrophic lateral sclerosis](#)

- [Brain Ischemia](#)

- [Colonic Polyps](#)

- [Colorectal Neoplasms](#)

- [Dementia](#)

- [Diabetes Mellitus](#)

- [Genetic Predisposition to Disease](#)

- [Hyperplasia](#)

- [Parkinson Disease](#)

- [Stroke](#)