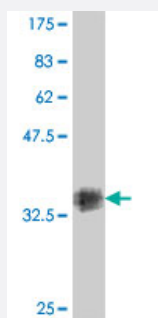


TRPM7 polyclonal antibody (A01)

Catalog # H00054822-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (34.8 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant TRPM7.
Immunogen	TRPM7 (NP_060142.2, 777 a.a. ~ 855 a.a) partial recombinant protein with GST tag.
Sequence	KTKAEMSHIPQSQDAHQMTMDDSENNFQNITEEIPMEVFKEVRILDSNEGKNEMEIQMKSKKLPI RKFYAFYHAPIVK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (91); Rat (92)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.8 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — TRPM7

Entrez GeneID [54822](#)

GeneBank Accession# [NM_017672](#)

Protein Accession# [NP_060142.2](#)

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](#)