

TRPM7 Polyclonal Antibody

Catalog NumberPA5-15302

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100
Type	Antibody	Western Blot (WB)	1:1,000
Immunogen	KLH conjugated synthetic peptide between 1821-1850 amino acids from the C-terminal region of human TRPM7 (CHAK1)	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	2.0 mg/mL		
Purification	Ammonium sulfate precipitation, Size-exclusion - Dialysis		
Storage buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Background/Target Information

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.

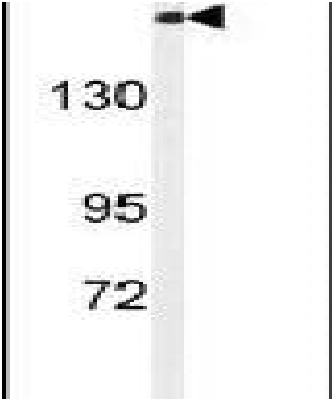
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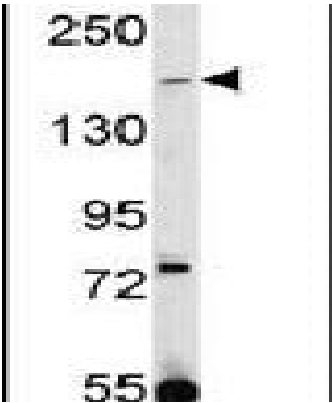
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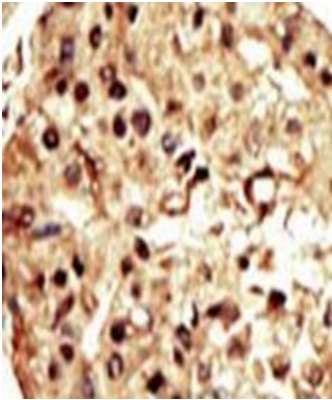
Product Images For TRPM7 Polyclonal Antibody



**TRPM7 Antibody (PA5-15302) in WB**  
Western blot analysis using a TRPM7 polyclonal antibody (Product # PA5-15302) in mouse kidney tissue lysates (35 µg per lane).



**TRPM7 Antibody (PA5-15302) in WB**  
Western blot analysis using a TRPM7 polyclonal antibody (Product # PA5-15302) in 293 cell lysates (35 µg per lane).



**TRPM7 Antibody (PA5-15302) in IHC (P)**  
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human cancer tissue using a TRPM7 polyclonal antibody (Product # PA5-15302), followed by HRP-conjugated secondary antibody and DAB staining.

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