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TRPC3 Polyclonal Antibody

Catalog # AP73703

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q13507
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	105538

Additional Information

Gene ID	7222
Other Names	TRPC3; TRP3; Short transient receptor potential channel 3; TrpC3; Transient receptor protein 3; TRP-3; hTrp-3; hTrp3
Dilution	WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-1:300. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-1:300. ELISA: 1/20000. Not yet tested in other applications. IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

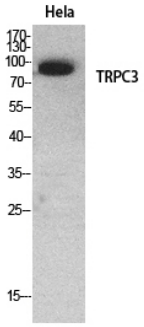
Name	TRPC3
Synonyms	TRP3
Function	Forms a receptor-activated non-selective calcium permeant cation channel (PubMed:29726814, PubMed:30139744, PubMed:35051376, PubMed:9417057, PubMed:9930701, PubMed:10611319).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Expressed predominantly in brain and at much lower levels in ovary, colon, small intestine, lung, prostate, placenta and testis

Background

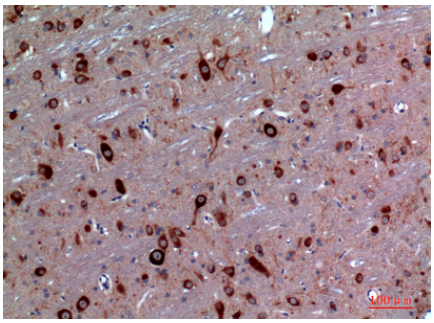
Thought to form a receptor-activated non-selective calcium permeant cation channel. Probably is operated

by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Activated by diacylglycerol (DAG) in a membrane-delimited fashion, independently of protein kinase C, and by inositol 1,4,5- triphosphate receptors (ITPR) with bound IP3. May also be activated by internal calcium store depletion.

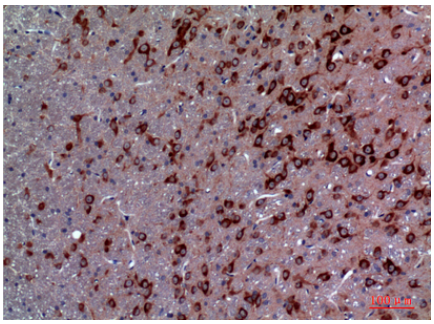
Images



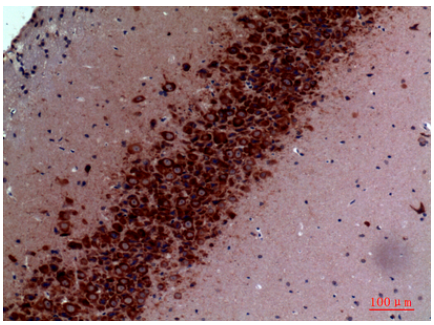
Western Blot analysis of HeLa cells using TRPC3 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100

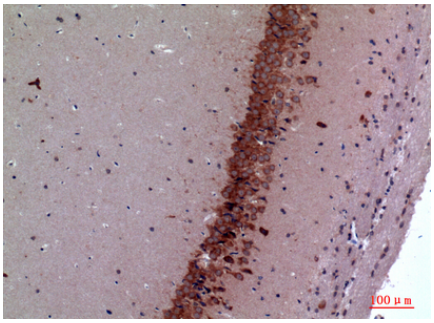


Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded mouse-brain, antibody was diluted at 1:100

Immunohistochemical analysis of paraffin-embedded mouse-brain, antibody was diluted at 1:100



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.