

Product datasheet for **TA306352**

TRPC3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, ICC: 2 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	TRPC3 antibody was raised against a 14 amino acid peptide from near the carboxy terminus of human TRPC3.
Formulation:	PBS containing 0.02% sodium azide.
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	transient receptor potential cation channel subfamily C member 3
Database Link:	CAA74083 Entrez Gene 7222 Human Q13507

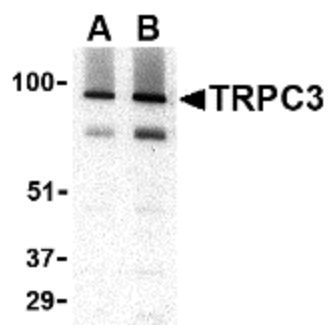
Background: The mammalian transient receptor potential (TRP) superfamily can be divided into three major families including the “canonical TRP” (TRPC) family. The seven members of this family share the activation through PLC-coupled receptors and have been suggested to be components of receptor-regulated cation channels in different cell types. Furthermore, the members of the TRPC3/6/7 subfamily can be activated by diacylglycerol analogs, suggesting a possible mechanism of activation of these channels by PLC-coupled receptors. TRPC3 encodes a Ca²⁺-permeant channel that is agonist-activated but not store-operated or directly receptor-activated. TRPC3 physically interacts with TRPC6 and TRPC7 and forms functional tetrameric channels.



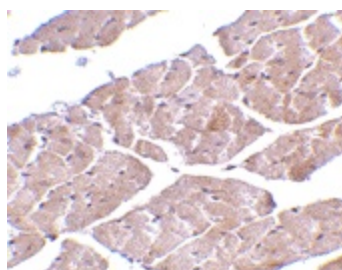
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Synonyms: SCA41; TRP3

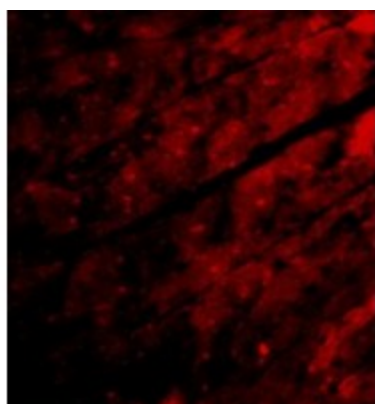
Product images:



Western blot analysis of TRPC3 in human brain tissue lysate with TRPC3 antibody at (A) 1 and (B) 2 ug/ml.



Immunohistochemistry of TRPC3 in mouse heart tissue with TRPC3 antibody at 2 ug/ml.



Immunofluorescence of TRPC3 in Mouse Heart cells with TRPC3 antibody at 20 ug/mL.