

Product datasheet for **TA349194**

TRPC3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1 - 2 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	TRPC3 antibody was raised against a 19 amino acid peptide from near the carboxy terminus of human TRPC3.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	TRPC3 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 90, 93, 101 kDa; Observed: 93 kDa
Gene Name:	transient receptor potential cation channel subfamily C member 3
Database Link:	NP_001124170 Entrez Gene 22065 Mouse Entrez Gene 60395 Rat Entrez Gene 7222 Human Q13507



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Background:

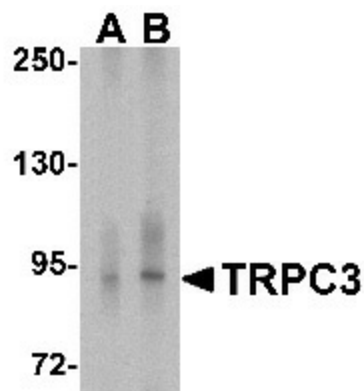
The mammalian transient receptor potential (TRP) superfamily can be divided into three major families including the "canonical TRP" (TRPC) family. The seven members of this family share the activation through PLC-coupled receptors and have been suggested to be components of receptor-regulated cation 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.

Synonyms:

SCA41; TRP3

Protein Families:

Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

Product images:

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