

Product datasheet for **TA344232**

TRPC3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-TRPC3 antibody: synthetic peptide directed towards the n terminal of human TRPC3. Synthetic peptide located within the following region: MEGSPSLRRMTVMREKGRRAVRGPAFMFNDRGTSLSLTAEEERFLDAAEYG
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	97 kDa
Gene Name:	transient receptor potential cation channel subfamily C member 3
Database Link:	NP_003296 Entrez Gene 22065 Mouse Entrez Gene 7222 Human Q13507
Background:	TRPC3 is 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. TRPC3 is 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. TRPC3 may also be activated by internal calcium store depletion.



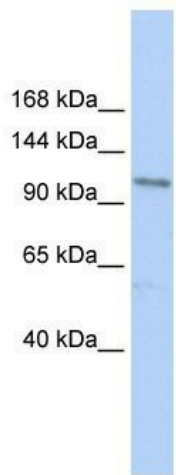
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Synonyms: SCA41; TRP3

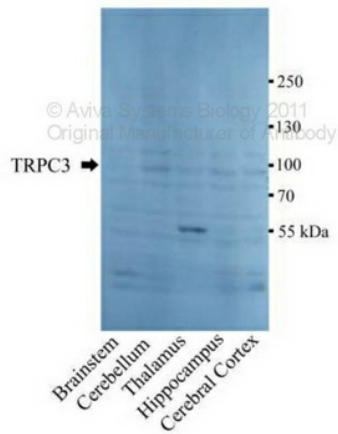
Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Mouse: 93%; Zebrafish: 93%

Protein Families: Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

Product images:



WB Suggested Anti-TRPC3 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:312500; Positive Control: HepG2 cell lysate



TRPC3 antibody - N-terminal region validated by WB using brainstem, Cerebellum, Thalamus, Hippocampus, Cerebral Cortex