

Product datasheet for **TA338698**

TRPV4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-TRPV4 antibody: synthetic peptide directed towards the middle region of human TRPV4. Synthetic peptide located within the following region: RVDEVNWSHWNLGLIINEDPGKNETYQYYGFSHTVGRLRRDRWSSVPR
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>
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	91 kDa
Gene Name:	transient receptor potential cation channel subfamily V member 4
Database Link:	NP_671737 Entrez Gene 66026 Rat Q9HBA0

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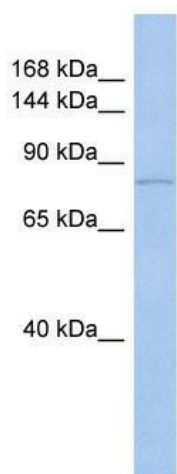
Background: This gene encodes a member of the OSM9-like transient receptor potential channel (OTRPC) subfamily in the transient receptor potential (TRP) superfamily of ion channels. The encoded protein is a Ca²⁺-permeable, nonselective cation channel that is thought to be involved in the regulation of systemic osmotic pressure. Mutations in this gene are the cause of spondylometaphyseal and metatropic dysplasia and hereditary motor and sensory neuropathy type IIC. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2010]

Synonyms: BCYM3; CMT2C; HMSN2C; OTRPC4; SMAL; SPSMA; SSQTL1; TRP12; VRL2; VROAC

Note: Immunogen Sequence Homology: Human: 100%; Rabbit: 100%; Pig: 93%; Rat: 93%; Bovine: 93%; Dog: 86%; Mouse: 86%; Guinea pig: 86%

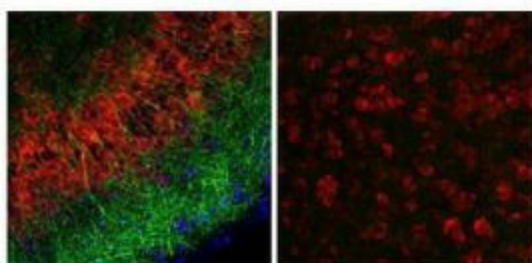
Protein Families: Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

Product images:



WB Suggested Anti-TRPV4 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:12500; Positive Control: ACHN cell lysate

a) Pyramidal zone (CA1 band) b) Outside the pyramidal zone



TRPV4 Rat Hippocampus We tested the antibodies in Immunohistochemistry studies. The dilutions for all the above primary antibodies were 1:500 and the same for the secondary antibody, Alexa Fluor 568-conjugated goat anti-rabbit antibodies (Invitrogen).