

## Product datasheet for **TA355762**

### TRPV4 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of human TRPV4
Specificity:	<b>Expected reactivity:</b> Cow, Dog, Human, Mouse, Pig, Rat <b>Homology:</b> Cow: 85%; Dog: 92%; Human: 100%; Mouse: 86%; Pig: 92%; Rat: 85%
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:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	60kDa
Gene Name:	transient receptor potential cation channel subfamily V member 4
Database Link:	<a href="#">NP_001170899.1</a> <a href="#">Entrez Gene 59341 Human</a> <a href="#">Q9HBA0</a>



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**Background:**

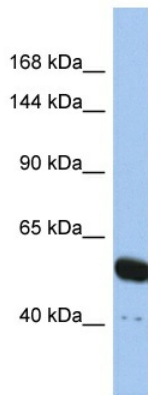
This gene encodes a member of the OSM9-like transient receptor potential channel (OTRPC) subfamily in the transient receptor potential (TRP) superfamily of ion channels. The encoded protein is a Ca<sup>2+</sup>-permeable, nonselective cation channel that is thought to be involved in the regulation of 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.

**Synonyms:**

OTRPC4; TRP12; VR-OAC; VRL-2; VRL2; VROAC

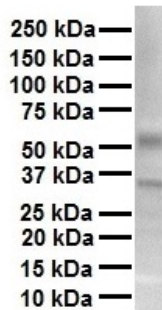
**Protein Families:**

Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

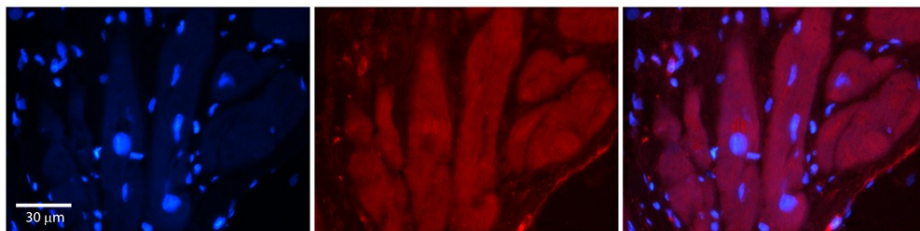
**Product images:**


Host: Rabbit  
 Target Name: TRPV4  
 Sample Tissue: HT1080 Cell Lysate  
 Antibody Dilution: 1.0µg/ml

Host: Rabbit  
 Target Name: TRPV4  
 Sample Type: HT1080 Whole cell lysates  
 Antibody Dilution: 1.0ug/ml



WB Suggested Anti-TRPV4 antibody Titration: 1 ug/mL  
 Sample Type: Human heart



Rabbit Anti-TRPV4 Antibody  
Catalog Number: TA355762  
Formalin Fixed Paraffin Embedded Tissue:  
Human Adult heart  
Observed Staining: Cytoplasmic  
Primary Antibody Concentration: 1:100  
Secondary Antibody: Donkey anti-Rabbit-Cy2/3  
Secondary Antibody Concentration: 1:200  
Magnification: 20X  
Exposure Time: 0.5–2.0 sec  
Protocol located in Reviews and Data.