

## Product datasheet for **TA324061**

### TRPV4 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 50-200 Positive control: Human brain Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 237-465 amino acids of human transient receptor potential cation channel, subfamily V, member 4
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	transient receptor potential cation channel subfamily V member 4
Database Link:	<a href="#">NP_671737</a> <a href="#">Entrez Gene 63873 Mouse</a> <a href="#">Entrez Gene 66026 Rat</a> <a href="#">Entrez Gene 59341 Human</a> <a href="#">Q9HBA0</a>

**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.

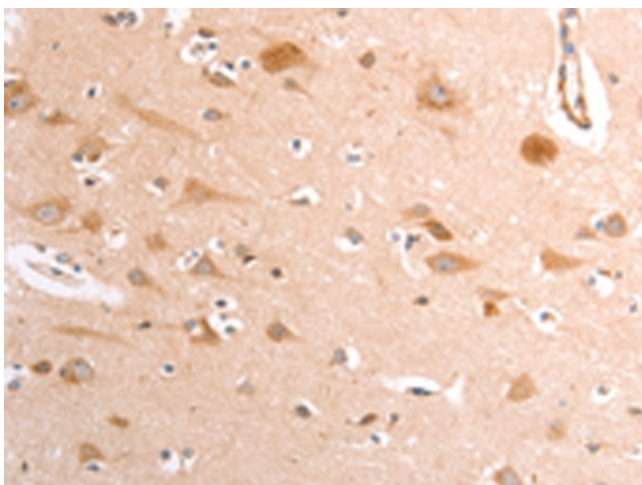


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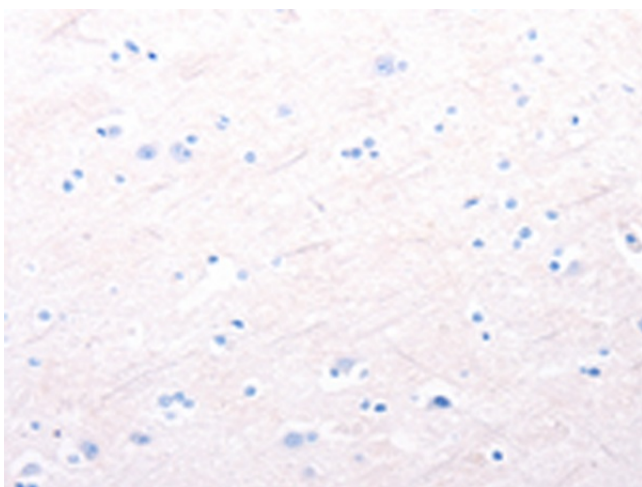
**Synonyms:** BCYM3; CMT2C; HMSN2C; OTRPC4; SMAL; SPSMA; SSQTL1; TRP12; VRL2; VROAC

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

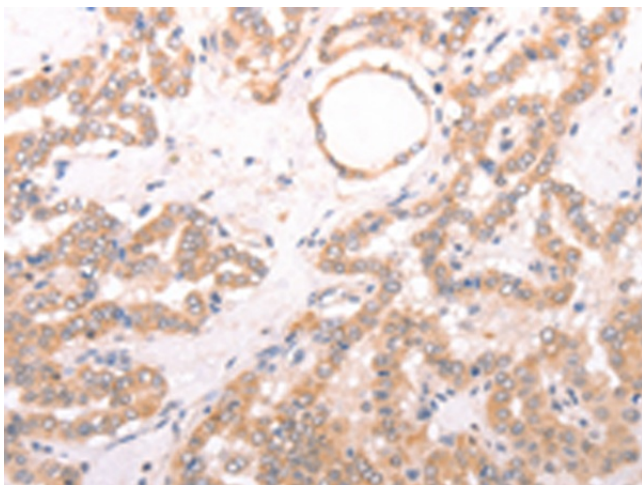
**Product images:**



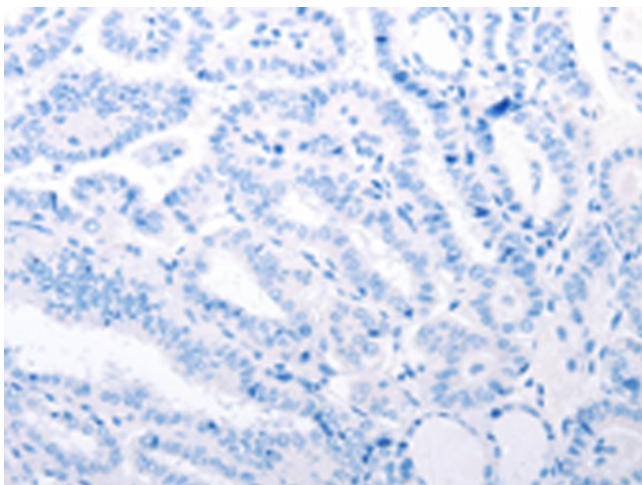
Immunohistochemistry of paraffin-embedded Human brain tissue using TA324061 (TRPV4 Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA324061 (TRPV4 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA324061 (TRPV4 Antibody) at dilution 1/40 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA324061 (TRPV4 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification:  $\times 200$ )