



[Go to Product page](#)

Datasheet for ABIN7043853

## anti-TRPV4 antibody (C-Term, Intracellular)

### 2 Images

#### Overview

Quantity:	0.2 mL
Target:	TRPV4
Binding Specificity:	AA 853-871, C-Term, Intracellular
Reactivity:	Rat
Host:	Guinea Pig
Clonality:	Polyclonal
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CDGHQQGYAPKWRAEDAPL, corresponding to amino acid residues 853-871 of rat TRPV4
Isotype:	IgG
Characteristics:	Guinea pig Anti-TRPV4 Antibody (#), raised in guinea pig, is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot analysis. It has been designed to recognize TRPV4 from mouse, rat and human samples. The antigen used to immunize guinea pigs is the same as Anti-TRPV4 Antibody (ABIN7043850, ABIN7043994 and ABIN7043995)) raised in rabbit. Our line of guinea pig antibodies enables more flexibility with our products such as multiplex staining studies, immunoprecipitation, etc.
Purification:	Affinity purified on immobilized antigen.

## Target Details

---

Target:	TRPV4
Alternative Name:	TRPV4 ( <a href="#">TRPV4 Products</a> )
Background:	Alternative names: OTRPC4, VRL-2, VR-OAC, TRP12
Gene ID:	66026
NCBI Accession:	<a href="#">NM_021625</a>
UniProt:	<a href="#">Q9ERZ8</a>
Pathways:	<a href="#">Hormone Transport, Cell-Cell Junction Organization</a>

## Application Details

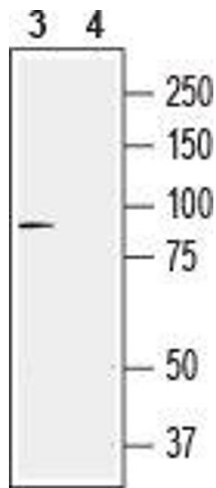
---

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

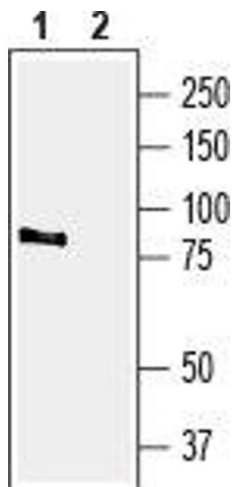
---

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



#### Western Blotting

**Image 1.** Western blot analysis of rat DRG lysates: - 3. Guinea pig Anti-TRPV4 Antibody (ABIN7043853, ABIN7045444 and ABIN7045445), (1:200). 4. Guinea pig Anti-TRPV4 Antibody, preincubated with TRPV4 Blocking Peptide (#BLP-CC034).



#### Western Blotting

**Image 2.** Western blot analysis of rat brain membranes: - 1. Guinea pig Anti-TRPV4 Antibody (ABIN7043853, ABIN7045444 and ABIN7045445), (1:1500). 2. Guinea pig Anti-TRPV4 Antibody, preincubated with TRPV4 Blocking Peptide (#BLP-CC034).