

## Product datasheet for **AP26428AF-N**

### Trpv1 (105-115) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>ELISA:</b> 1:100,000 for detection of Kchip1 peptide (QTKQRRPSKDK) coated on ELISA plate. <b>Western blot:</b> Dilute approx. 1:5,000 to detect the 95kDa TRPV1 in mouse brain tissue extract.
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to the amino acid sequence 105-115 of mouse TRPV1, conjugated with KLH
Specificity:	This antibody is reactive to the 95kDa TRPV1 in mouse brain tissue extract and other species with consensus TRPV1 sequence (GEKPPRLYDRR).
Formulation:	0.01M PBS, pH 7.4 State: Azide Free State: Lyophilized Ig fraction
Reconstitution Method:	Restore with double distilled water to adjust the final concentration to 1.00 mg/ml.
Purification:	Protein G affinity
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 month or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	transient receptor potential cation channel, subfamily V, member 1
Database Link:	<a href="#">Entrez Gene 193034 Mouse Q704Y3</a>



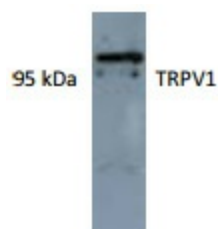
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**Background:**

Mouse transient receptor potential cation channel V1 (TRPV1) is a nociceptor which is activated by noxious stimuli such as high temperature (above 43o C), acidic PH, and pungent chemical such as vanilloid, the “hot” componeunt of chili peppers. Members of the TPV family are capble of polymodal activation and have a similar tetramer structure. There are transmembrane regions with pore forming domains on the monomers. In chronic pain condition, normally innocuous stimuli is converted as noxious signaling. It is believed that TRPV1 is one of the contributors of this wrong transduction. TRPV1 has emerged as a target for pain medication.

**Synonyms:**

VR1, Capsaicin receptor, OTRPC1

**Product images:**

Western blot analysis of extracts from mouse brain using anti-TRPV1 rabbit whole antiserum.