

### Anti-TRPV1 antibody ab6166

★★★★★ [2 Abreviews](#) [22 References](#) [4 图像](#)

#### 概述

产品名称	Anti-TRPV1抗体
描述	兔多克隆抗体to TRPV1
宿主	Rabbit
经测试应用	适用于: WB, IHC-FrI
种属反应性	与反应: Mouse
免疫原	Synthetic peptide corresponding to Rat TRPV1 aa 800-900 (C terminal) conjugated to keyhole limpet haemocyanin (Glutaraldehyde).
	<a href="#">Run BLAST with Expasy</a> <a href="#">Run BLAST with NCBI</a>
常规说明	<p>This antibody will stain a selected population of sensory neurons in the dorsal root ganglion. It is unsuitable for staining nerve fibres or terminals.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Add glycerol to a final volume of 50% for extra stability and aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
纯度	Whole antiserum
克隆	多克隆
同种型	IgG

#### 应用

The Abpromise guarantee

**Abpromise™** 承诺保证使用ab6166于以下的经测试应用

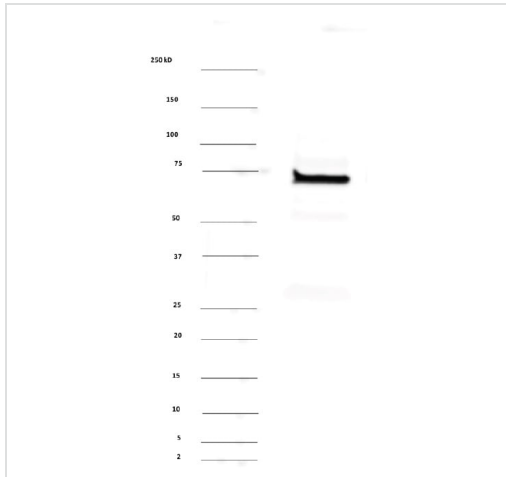
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (1)	1/1000. Predicted molecular weight: 94.976 kDa.
IHC-FrFI		1/100 - 1/2000. Use at 1/500– 1/2000 dilution for DAB staining and 1/100 – 1/500 dilution for immunofluorescence staining.

## 靶标

功能	Receptor-activated non-selective calcium permeant cation channel involved in detection of noxious chemical and thermal stimuli. Seems to mediate proton influx and may be involved in intracellular acidosis in nociceptive neurons. May be involved in mediation of inflammatory pain and hyperalgesia. Sensitized by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases, which involves PKC isozymes and PCL. Acts as ionotropic endocannabinoid receptor with central neuromodulatory effects. Triggers a form of long-term depression (TRPV1-LTD) mediated by the endocannabinoid anandamine in the hippocampus and nucleus accubens by affecting AMPA receptors endocytosis.
组织特异性	Widely expressed at low levels. Expression is elevated in dorsal root ganglia. In skin, expressed in cutaneous sensory nerve fibers, mast cells, epidermal keratinocytes, dermal blood vessels, the inner root sheet and the infundibulum of hair follicles, differentiated sebocytes, sweat gland ducts, and the secretory portion of eccrine sweat glands (at protein level).
序列相似性	Belongs to the transient receptor (TC 1.A.4) family. TrpV subfamily. TRPV1 sub-subfamily. Contains 6 ANK repeats.
结构域	The association domain (AD) is necessary for self-association.
翻译后修饰	Phosphorylation by PKA reverses capsaicin-induced dephosphorylation at multiple sites, probably including Ser-117 as a major phosphorylation site. Phosphorylation by CAMKII seems to regulate binding to vanilloids. Phosphorylated and modulated by PKCM and probably PKCZ. Dephosphorylation by calcineurin seems to lead to receptor desensitization and phosphorylation by CAMKII recovers activity.
细胞定位	Cell junction > synapse > postsynaptic cell membrane. Cell projection > dendritic spine membrane.

## 图片

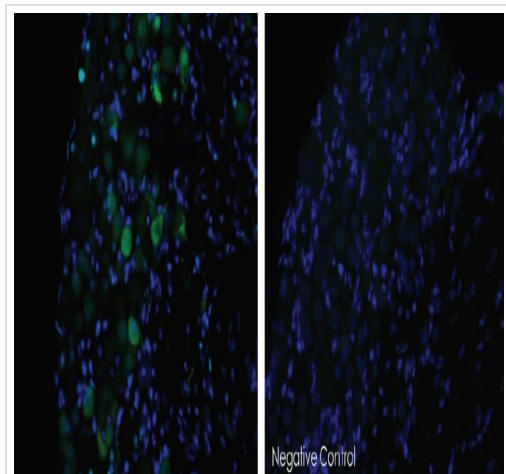


Western blot - Anti-TRPV1 antibody (ab6166)

Anti-TRPV1 antibody (ab6166) at 1/1000 dilution + Mouse dorsal root ganglia at 20 µg

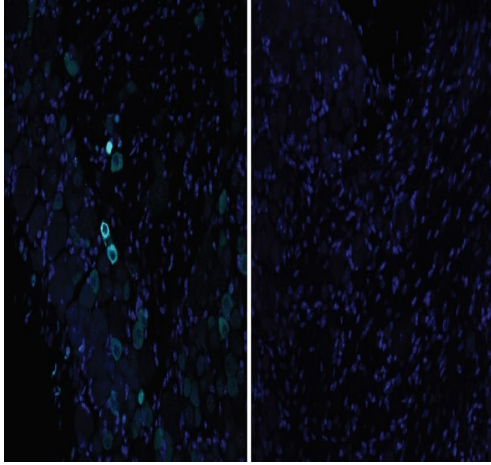
**Predicted band size:** 94.976 kDa

**Observed band size:** 75 kDa



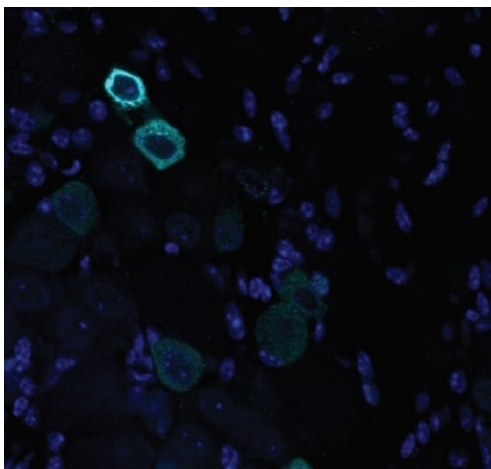
Immunohistochemistry - Free Floating - Anti-TRPV1 antibody (ab6166)

Immunohistochemistry analysis of 4% paraformaldehyde fixed/free-floating mouse dorsal root ganglia detecting TRPV1 using ab6166 at a 1/500 dilution. 40x Magnification. Right: Negative control.



Immunohistochemistry analysis of 4% paraformaldehyde fixed/free-floating mouse dorsal root ganglia detecting TRPV1 using ab6166 at a 1/500 dilution. 40x Magnification. Right: Negative control.

Immunohistochemistry - Free Floating - Anti-TRPV1 antibody (ab6166)



Immunohistochemistry analysis of 4% paraformaldehyde fixed/free-floating mouse dorsal root ganglia detecting TRPV1 using ab6166 at a 1/500 dilution.

Immunohistochemistry - Free Floating - Anti-TRPV1 antibody (ab6166)

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