

Anti-TRPV1 antibody ab3487

★★★★★ [2 Abreviews](#) [23 References](#) [2 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
特异性	Immunohistochemical staining of TRPV1 in human glabrous skin using this antibody results in the staining of epidermal and dermal cells, as well as free nerve fibers and Merkel cells. Immunofluorescent staining of TRPV1 in human prostatic urethra results in fibrous staining within the epithelial cells.
经测试应用	适用于: IHC-Fr, IHC-P
种属反应性	与反应: Human
免疫原	Synthetic peptide corresponding to Human TRPV1 aa 1-100. Run BLAST with Expasy Run BLAST with NCBI
阳性对照	IHC-F: human skin tissue IHC-P: human glabrous skin tissue
常规说明	<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&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 99% PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab3487于以下的经测试应用

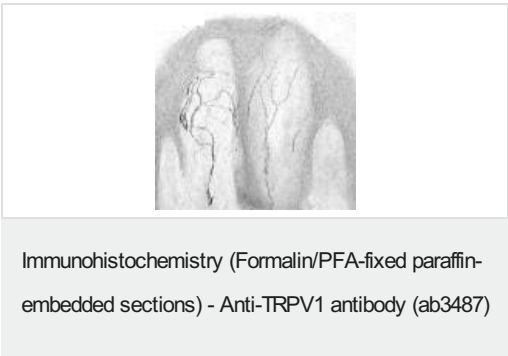
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-Fr	★★★★★ (1)	Use a concentration of 1 µg/ml.
IHC-P		Use a concentration of 1 µg/ml.

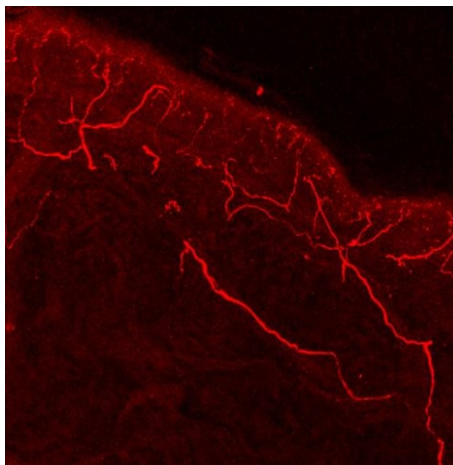
靶标

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. Phoshphorylation 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



Immunolocalization of TRPV1 in human glabrous skin using ab3487.



Immunohistochemistry (Frozen sections) - Anti-TRPV1 antibody (ab3487)

Immunohistochemistry (frozen sections) analysis of human skin tissue sections labeling TRPV1 (red) with ab3487 at 1/250. A biotin-conjugated donkey anti-rabbit IgG was used as the secondary antibody.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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