

### Anti-TRPV1 antibody ab3487

★★★★★ [2 Abreviews](#) [23 References](#) [画像数 2](#)

#### 製品の概要

製品名	Anti-TRPV1 antibody
製品の詳細	Rabbit polyclonal to TRPV1
由来種	Rabbit
特異性	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.
アプリケーション	<b>適用あり:</b> IHC-Fr, IHC-P
種交差性	<b>交差種:</b> Human
免疫原	Synthetic peptide corresponding to Human TRPV1 aa 1-100. <a href="#">Run BLAST with Expasy</a> <a href="#">Run BLAST with NCBI</a>
ポジティブ・コントロール	IHC-F: human skin tissue IHC-P: human glabrous skin tissue
特記事項	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.  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

#### 製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 99% PBS
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

## アプリケーション

### The Abpromise guarantee

**Abpromise保証は、次のテスト済みアプリケーションにおけるab3487の使用に適用されます**

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-Fr	★★★★★ (1)	Use a concentration of 1 µg/ml.
IHC-P		Use a concentration of 1 µg/ml.

## ターゲット情報

### 機能

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.

### 組織特異性

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).

### 配列類似性

Belongs to the transient receptor (TC 1.A.4) family. TrpV subfamily. TRPV1 sub-subfamily. Contains 6 ANK repeats.

### ドメイン

The association domain (AD) is necessary for self-association.

### 翻訳後修飾

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.

### 細胞内局在

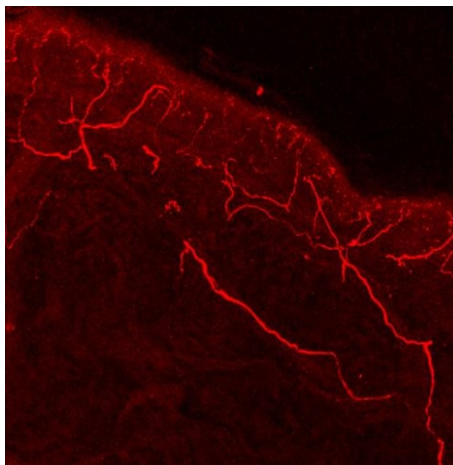
Cell junction > synapse > postsynaptic cell membrane. Cell projection > dendritic spine membrane.

## 画像



Immunolocalization of TRPV1 in human glabrous skin using ab3487.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRPV1 antibody (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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