

Anti-TRPV1 antibody ab6166

★★★★★ **2 Abreviews** **22 References** 画像数 4

製品の概要

製品名	Anti-TRPV1 antibody
製品の詳細	Rabbit polyclonal to TRPV1
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-FrFI
種交差性	交差種: Mouse
免疫原	Synthetic peptide corresponding to Rat TRPV1 aa 800-900 (C terminal) conjugated to keyhole limpet haemocyanin (Glutaraldehyde). Run BLAST with Expasy Run BLAST with NCBI
特記事項	<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&As</p>

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). Add glycerol to a final volume of 50% for extra stability and aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
精製度	Whole antiserum
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ab6166の使用に適用されます

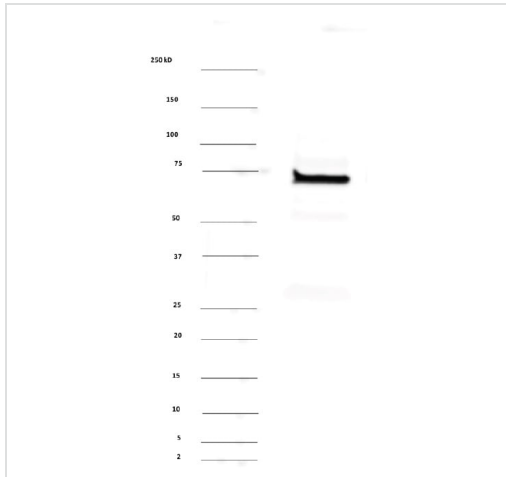
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
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.

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

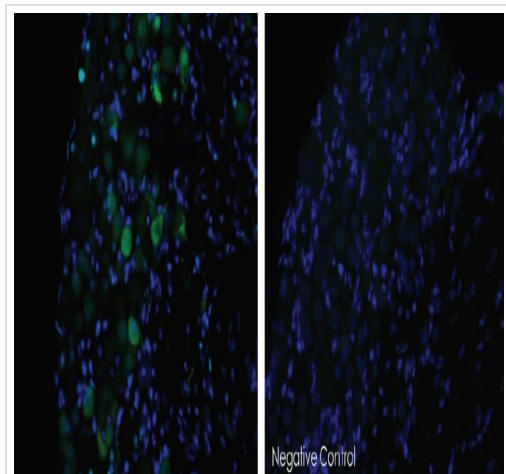


Western blot - Anti-TRPV1 antibody (ab6166)

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

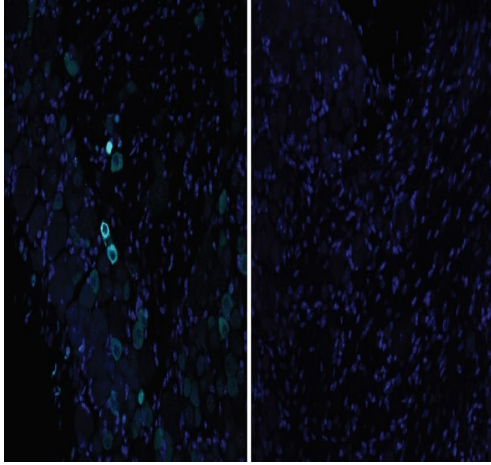
Predicted band size: 94.976 kDa

Observed band size: 75 kDa



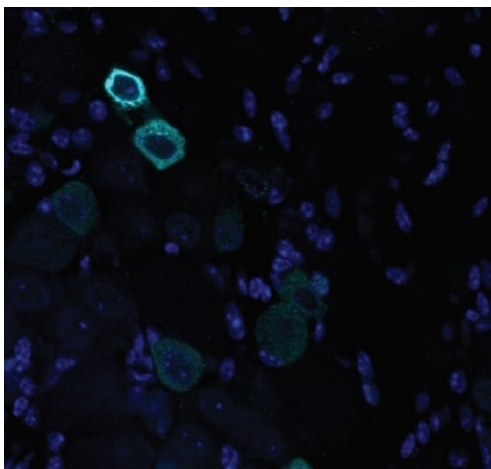
Immunohistochemistry - Free Floating - Anti-TRPV1 antibody (ab6166)

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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