

# TRPV1 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues T(7) D L G A A A D P L Q K D T C(21) of human VR1.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2209010

Applications	Tested Dilution	Publications
Western Blot (WB)	-	6 Publications
Immunohistochemistry (IHC)	-	6 Publications
Immunohistochemistry (Frozen) (IHC (F))	1 µg/mL	1 Publication
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	-	1 Publication

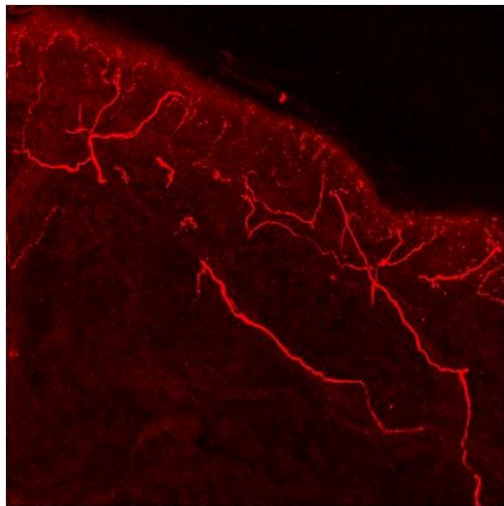
## Product Specific Information

PA1-748 detects vanilloid receptor 1 (VR1) from human bladder and skin.

PA1-748 has been successfully used in immunofluorescence and immunohistochemistry procedures. Immunohistochemical staining of VR1 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 VR1 in human prostatic urethra using PA1-748 results in fibrous staining within the epithelial cells.

The PA1-748 immunogen is a synthetic peptide corresponding to residues T(7) D L G A A A D P L Q K D T C(21) of human VR1. PA1-748 immunizing peptide (Cat. # PEP-202) is available for use in neutralization and control experiments.

Product Images For TRPV1 Polyclonal Antibody



**TRPV1 Antibody (PA1-748) in IHC (F)**  
Frozen human skin tissue sections were fixed with paraformaldehyde and stained with PA1-748 (1:250) followed by a biotin-conjugated donkey anti-rabbit IgG secondary antibody and streptavidin-HRP/tyrimide-fluorescent detection system. Vanilloid Receptor 1 staining is shown in red. Data courtesy of the Innovators Program.

**Fig. 1**



**TRPV1 Antibody (PA1-748) in IHC**  
Immunolocalization of VR1 in human glabrous skin using Product # PA1-748.

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Western Blot (6)

<p>Journal of inflammation (London, England)</p> <p><b>Inhibition of carrageenan-induced dental inflammatory responses owing to decreased TRPV1 activity by Dexmedetomidine.</b></p> <p>"Published figure using TRPV1 polyclonal antibody (Product # PA1-748) in Western Blot"</p> <p>Authors: Lv G,Zhu G,Xu M,Gao X,Xiao Q</p>	<p>Year 2022</p> <p>Species Human</p> <p>Dilution 1:1000</p>
<p>Cancer genomics &amp; proteomics</p> <p><b>Prognostic Significance of Transient Receptor Potential Vanilloid Type 1 (TRPV1) and Phosphatase and Tension Homolog (PTEN) in Epithelial Ovarian Cancer.</b></p> <p>"PA1-748 was used in Western Blotting to investigate the significance of TRPV1 and correlation with phosphatase and tension homolog (PTEN) in epithelial ovarian cancer (EOC)."</p> <p>Authors: Han GH,Chay DB,Nam S,Cho H,Chung JY,Kim JH</p>	<p>Year 2020</p> <p>Species Human</p>

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Immunohistochemistry (6)

<p>The Journal of comparative neurology</p> <p><b>Convergence of peptidergic and non-peptidergic protein markers in the human dorsal root ganglion and spinal dorsal horn.</b></p> <p>"Published figure using TRPV1 polyclonal antibody (Product # PA1-748) in Immunohistochemistry"</p> <p>Authors: Shiers SI,Sankaranarayanan I,Jeevakumar V,Cervantes A,Reese JC,Price TJ</p>	<p>Year 2021</p> <p>Species Human</p> <p>Dilution 1:500</p>
<p>Oral oncology</p> <p><b>Vanilloids induce oral cancer apoptosis independent of TRPV1.</b></p> <p>Authors: Gonzales CB,Kirma NB,De La Chapa JJ,Chen R,Henry MA,Luo S,Hargreaves KM</p>	<p>Year 2014</p>

[View more IHC references on thermofisher.com](#)

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- IHC (F) (1)
- ICC/IF (1)
- Flow (1)

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