

## Datasheet: AHP1148

<b>Description:</b>	RABBIT ANTI Trpv2 (N-TERMINAL)
<b>Specificity:</b>	TRPV2 (N-TERMINAL)
<b>Other names:</b>	TRANSIENT RECEPTOR POTENTIAL CATION CHANNEL SUBFAMILY V MEMBER 2
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			10ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	
Functional Assays			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to human Trpv2 were raised by repeated immunisations of rabbit with highly purified antigen. Purified IgG prepared by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml

<b>Immunogen</b>	Synthetic, KLH-conjugated human Trpv2 N-terminal.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q9Y5S1</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">51393</a> TRPV2   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	VRL
<b>Specificity</b>	<b>Rabbit anti Human Trpv2 antibody</b> recognizes transient receptor potential cation channel, subfamily V, member 2 (Trpv2). Trpv2 is an ~86 kDa, non selective calcium channel protein. It is involved in the transduction of high-temperature heat responses in neurons. Trpv2 is activated by temperatures above 52°C and is thought to be partly regulated by IGF-I, platelet derived growth factor and neuropeptide head activator. Trpv2 is expressed in skin, tongue, dorsal root ganglion, trigeminal ganglion, spinal cord and brain.
<b>Histology Positive Control Tissue</b>	Human dorsal root ganglion.
<b>References</b>	<p>1. Caterina, M.J. <i>et al.</i> (1999) A capsaicin-receptor homologue with a high threshold for noxious heat. <a href="#">Nature. 398 (6726): 436-41.</a></p> <p>2. Xu, H. <i>et al.</i> (2002) TRPV3 is a calcium-permeable temperature-sensitive cation channel. <a href="#">Nature. 418 (6894): 181-6.</a></p>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Shelf Life</b>	18 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	<a href="#">FITC</a>
Sheep Anti Rabbit IgG (STAR35...)	<a href="#">RPE</a>
Goat Anti Rabbit IgG (H/L) (STAR124...)	<a href="#">HRP</a>
Goat Anti Rabbit IgG (Fc) (STAR121...)	<a href="#">Biotin</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Sheep Anti Rabbit IgG (2AB02...)	<a href="#">Biotin</a>
Sheep Anti Rabbit IgG (STAR36...)	<a href="#">DyLight®488</a> , <a href="#">DyLight®549</a> , <a href="#">DyLight®649</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a>

### Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000A\)](#)  
[HISTAR DETECTION SYSTEM \(STAR3000B\)](#)  
[HISTAR DETECTION SYSTEM \(STAR3000C\)](#)  
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)  
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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