



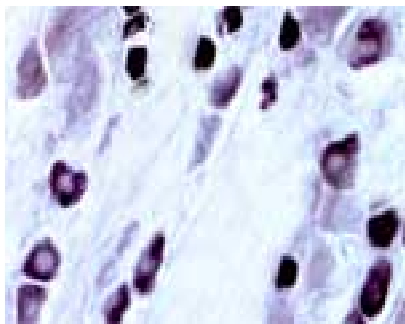
Rabbit antibody to human capsaicin receptor (608-621): whole serum

Catalogue No.:	R-076-100
Description:	Responses evoked by low pH and heat, and capsaicin can be antagonized by capsazepine. SIMILARITY: Belongs to the transient receptor family. TrpV subfamily. SIMILARITY: Contains 3 ANK repeats.
Batch No.:	See product label
Unit size:	100 µl
Antigen:	A synthetic peptide (PSESTSHRWGPA) of human capsaicin receptor protein (aa: 608-621) conjugated to KLH has been used as the antigen.
Other Names:	Transient receptor potential cation channel subfamily V member 1; TrpV1; Capsaicin receptor; Osm-9-like TRP channel 1; OTRPC1; Vanilloid receptor 1; TRPV1; VR1; VR-1;
Accession:	capsaicin_HUMAN
Produced in:	Rabbit
Purity:	Whole serum
Applications:	IHC. Use at 1:1000 to 1:2000 dilution. This antibody has not been tested in other applications. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	Specificity was confirmed by IHC using frozen sections of rat dorsal root ganglia (DRG) and spinal cord. Due to sequence homology, similar staining is predicted in human DRG and spinal cord.
Cross-reactivity:	Human, rat. Other species have not yet been tested.
Form:	Lyophilised
Reconstitution:	Reconstitute in 100 µl of sterile water. Centrifuge to remove any insoluble material.
Storage:	After reconstitution keep aliquots at -20°C for a higher stability, and at 4°C with an appropriate antibacterial agent. Glycerol (1:1) may be added for an additional stability. Avoid repetitive freeze/thaw cycles.
Expiry Date:	12 months after purchase
Specific References:	1. Jabin Fagelskiöld A et al (2012) Insulin-secreting INS-1E cells express functional TRPV1 channels. Islets. 2012 Jan 1;4(1).
References:	1. Caterina et al. Nature 398: 436(1999). 2. Tominaga et al. Neuron. 21: 531-543(1998). 3. Nagy, I. et al. Eur J Pharmacol 500:351-369(2004).

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Detection of capsaicin receptor in small neurons in rat dorsal root ganglion (DRG) using rabbit antibody to human capsaicin receptor (608-621): whole serum, catalogue number R-076-100, at 1:2000 dilution. The rat tissue was prepared by perfusion fixation with 4% formaldehyde containing 10% saturated picric acid in buffered saline. Frozen sections (40 μ m) were used and the secondary antibody was conjugated with HRP. Rat spinal cord prepared in the same way also shows a high specific stain with little background.

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