# Rat Vanilloid R1/TRPV1 Alexa Fluor® 750-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF3066S
100 µg

## DESCRIPTION

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| **Species Reactivity** | Rat |
| **Specificity** | Detects rat Vanilloid R1/TRPV1 in immunohistochemistry. |
| **Source** | Polyclonal Goat IgG |
| **Purification** | Antigen Affinity-purified |
| **Immunogen** | KLH-coupled rat Vanilloid R1/TRPV1 synthetic peptide<br>RASLDSEESESPPQENSC<br>Accession # O35433 |
| **Conjugate** | Alexa Fluor 750<br>Excitation Wavelength: 749 nm<br>Emission Wavelength: 775 nm |
| **Formulation** | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

## APPLICATIONS

**Please Note:** *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

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| **Immunohistochemistry** | Optimal dilution of this antibody should be experimentally determined. |

## PREPARATION AND STORAGE

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| **Shipping** | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| **Stability & Storage** | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied |

## BACKGROUND

VR1, also known as TRPV1 (Transient Receptor Potential Vanilloid 1) and capsaicin receptor, is a 115 kDa integral membrane ion channel that has six transmembrane domains and contains intracellular N-and C-termini. It contributes to normal pain and temperature sensation and also has a “sensory-effector” function. By alternative splicing, at least three VR1 isoforms are known. The sequence of residues 4-21 of rat VR1 is 78% and 28% identical to that of mouse and human VR1, respectively.

## PRODUCT SPECIFIC NOTICES

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