

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **TRPV1 RABBIT PAB**

Cat.#: S220708

**Product Name:** Anti-TRPV1 Rabbit Polyclonal Antibody

Synonyms: VR1

**UNIPROT ID:** Q8NER1 (Gene Accession - NP\_542435)

**Background:** Capsaicin, the main pungent ingredient in hot chili peppers, elicits a sensation of burning pain by selectively activating sensory neurons that convey information about noxious stimuli to the central nervous system. The protein encoded by this gene is a receptor for capsaicin and is a non-selective cation channel that is structurally related to members of the TRP family of ion channels. This receptor is also activated by increases in temperature in the noxious range, suggesting that it functions as a transducer of painful thermal stimuli in vivo. Four transcript variants encoding the same protein, but with different 5' UTR sequence, have been described for this gene.

**Immunogen:** Synthetic peptide of human TRPV1

**Applications:** ELISA, IHC

Recommended Dilutions: IHC: 25-100; ELISA: 1000-2000

Host Species: Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification

Species Reactivity: Human

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40%

glycerol

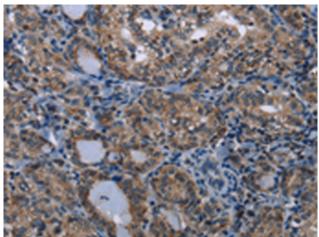
Research Areas: Neuroscience

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

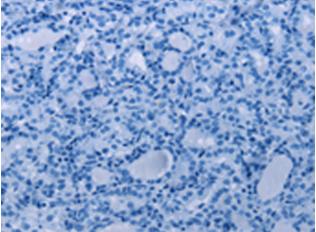


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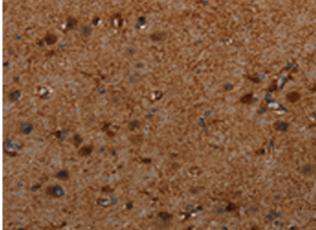
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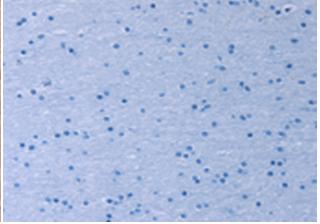
Immunohistochemistry analysis of paraffin embedded Human thyroid cancer tissue using 220708(TRPVI Antibody) at a dilution of 1/20(Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with the synthetic peptide and then with 220708(Anti-TRPVI Antibody) at dilution 1/20.



The image on the left is immunohistochemistry of paraffinembedded Human brain tissue using 220708(Anti-TRPVI Antibody) at a dilution of 1/20.



In comparision with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with synthetic peptide and then with D261905(Anti-TRPV1 Antibody) at dilution 1/20.