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Anti-TrpV3 Cation Channel Channel [Clone S15-4]

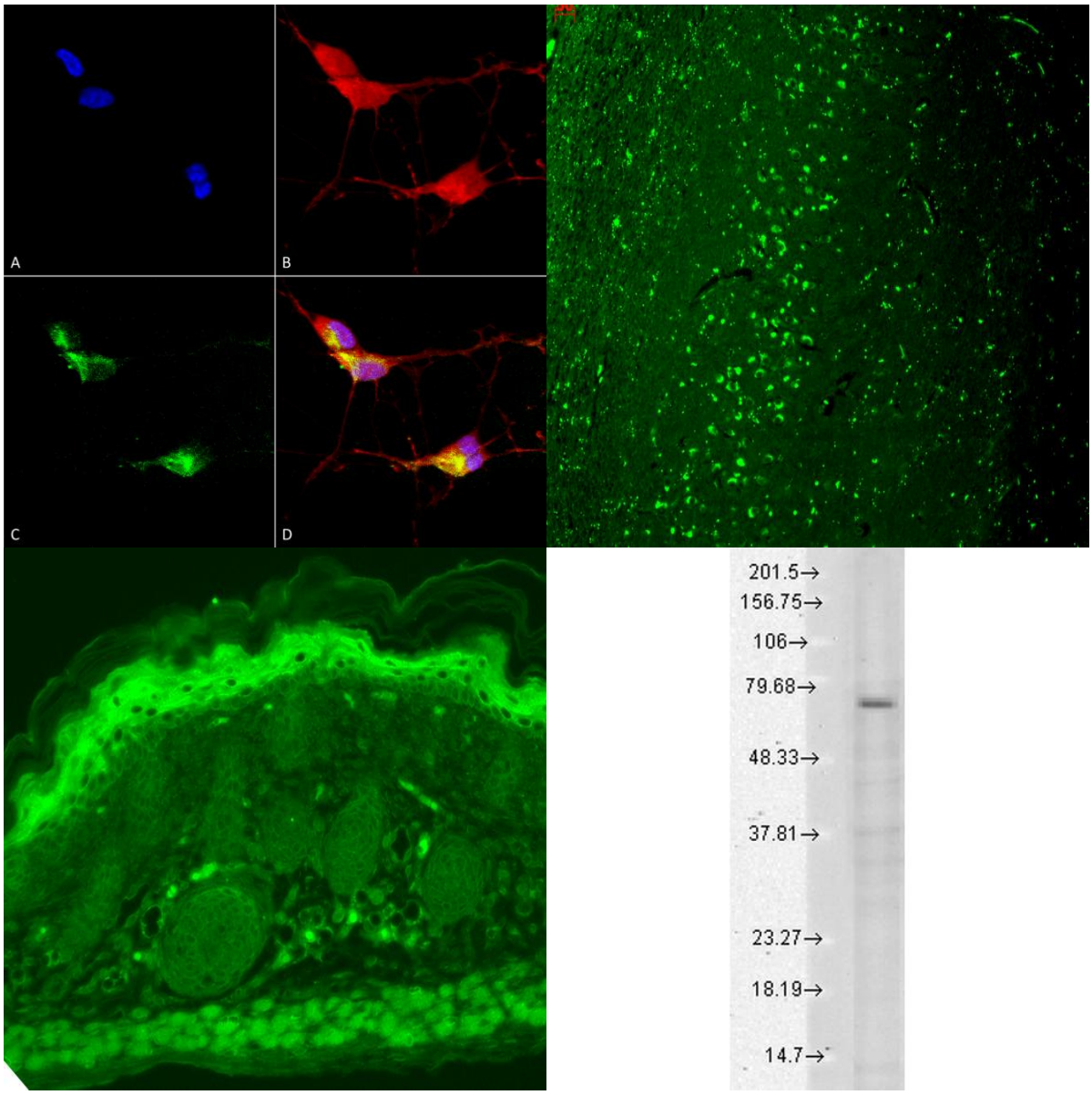
Monoclonal

Product Information

Product No.: 11520

Clone: S15-4

Isotype: Mouse Mouse IgG2a



Product Description

Products are for research use only. Not for use in diagnostic or therapeutic procedures.

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Specificity:
This antibody recognizes human, mouse, and rat TrpV3.

Background:
Ion channels are integral membrane proteins that help establish and control the small voltage gradient across the plasma membrane of living cells by allowing the flow of ions down their electrochemical gradient. The TrpV3 protein belongs to a family of nonselective cation channels that function in a variety of processes including temperature sensation and vasoregulation. The thermosensitive members of this family are expressed in subsets of sensory neurons that terminate in the skin and are activated at distinct physiological temperatures. The TrpV3 channel is activated at temperatures between 22 and 40 C. The TrpV3 gene is in close proximity to the TrpV1 gene on chromosome 17, and studies suggest that the corresponding two proteins associate with each other to form heteromeric channels.

Known Reactivity Species:
Human, Mouse, Rat

Format:
Purified

Immunogen:
Synthetic peptide corresponding to aa 458-474 (cytoplasmic C-terminus) of rat TrpV3 (accession no. NP_001020928).

Formulation
PBS, pH 7.4; 50% glycerol, 0.09% sodium azide.

Storage and Stability
This antibody is stable for at least one (1) year at -20°C. **Avoid repeated freeze-thaw cycles.**

Product Preparation
Purified by Protein G affinity chromatography

Applications
Applications and Recommended Usage (Quality Tested By Leinco):

Immunoblotting: use at 1-10ug/mL. A band of ~70kDa is detected.Immunohistochemistry and

Immunocytochemistry: use at 0.1-1ug/mL

Immunofluorescence: use at 1-10ug/mL

These are recommended concentrations. User should determine optimal concentrations for their application.

Positive control: COS cell lysate transiently transfected with TrpM7.

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Country of Origin
USA

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