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Research Use Only. Not for diagnostic or therapeutic use.

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

EB07235 - Goat Anti-TRPV3 (aa607-618) Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: vanilloid receptor-related osmotically activated channel protein, vanilloid receptor-like 3, vanilloid receptor 3, VRL3, HGNC:18084, transient receptor potential cation channel, subfamily V, member 3, TRPV3
Official Symbol: TRPV3
Accession Number(s): NP_659505.1
Human GeneID(s): 162514

Immunogen

Peptide with sequence SLIEKCPKDNKD, from the internal region of the protein sequence according to NP_659505.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.
Western blot: Preliminary experiments gave an approx 38kDa band in human skin lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 90.6kDa according to NP_659505.1. The 38kDa band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

Species Reactivity

Tested:
Expected from sequence similarity: Human, Dog

Background Reference

Moqrich A, Hwang SW, Earley TJ, Petrus MJ, Murray AN, Spencer KS, Andahazy M, Story GM, Patapoutian A.
Impaired thermosensation in mice lacking TRPV3, a heat and camphor sensor in the skin. Science. 2005 Mar 4;307(5714):1468-72.
PMID: 15746429