



Everest Biotech Ltd
Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD, United Kingdom

everestbiotech.com

sales@everestbiotech.com

support@everestbiotech.com

Tel +44 1869 238326

Fax +44 1869 238327

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