

Basic Information

Product Name	Anti-TRPV3 Antibody
Gene Name	TRPV3
Source	Rabbit
Isotype	IgG
Species Reactivity	human
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence of human TRPV3 (VRRTDFNKKIQDSSRNNSKTTLNAFEEVEEFPETSV).
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	100KD
Dilution Ratios	Western blot(WB):1:500-2000

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

Transient receptor potential cation channel, subfamily V, member 3, also known as TRPV3, is a human gene encoding the protein of the same name. This gene product 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. This channel is activated at temperatures between 22 and 40 degrees C. This gene lies in close proximity to another family member gene on chromosome 17, and the two encoded proteins are thought to associate with each other to form heteromeric channels. Multiple transcript variants encoding different isoforms have been found for this gene.

Selected Validation Data

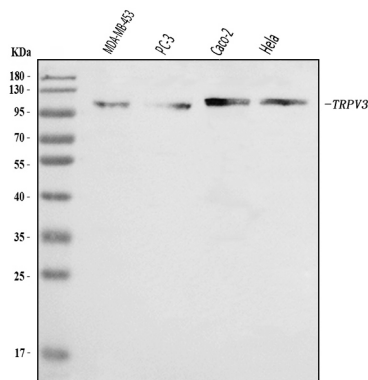


Figure 1. Western blot analysis of anti- TRPV3 antibody (A03874-2).

The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: MDA-MB-453 whole cell lysates,

Lane 2: PC-3 whole cell lysates,

Lane 3: Caco-2 whole cell lysates,

Lane 4: Hela whole cell lysates.

Use rabbit anti- TRPV3 1:1000, probed with a goat anti-rabbit IgG-

HRP secondary antibody. The signal is developed using an

Enhanced Chemiluminescent detection (ECL) kit (Catalog #

EK1002). A specific band was detected for TRPV3 at approximately

100KD. The expected band size for TRPV3 is at 156KD.