

**TRPV4 Recombinant Rabbit mAb**

Catalog: BS49867

Host: Rabbit

Reactivity: Mouse, Rat

BackGround:

Enables several functions, including SH2 domain binding activity; calcium channel activity; and osmosensor activity. Involved in several processes, including cellular response to osmotic stress; positive regulation of MAPK cascade; and positive regulation of cytokine production. Acts upstream of or within hyperosmotic salinity response; regulation of response to osmotic stress; and vasopressin secretion. Located in adherens junction and cilium. Is active in plasma membrane. Is expressed in several structures, including brain; limb; respiratory system; sensory organ; and skeleton. Used to study autosomal dominant nonsyndromic deafness 25. Human ortholog(s) of this gene implicated in Charcot-Marie-Tooth disease axonal type 2C; motor neuron disease (multiple); osteochondrodysplasia (multiple); and osteonecrosis. Orthologous to human TRPV4 (transient receptor potential cation channel subfamily V member 4). [provided by Alliance of Genome Resources, Apr 2025]

Product:

1mg/ml in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl,

40% Glycerol, 0.01% sodium azide and 0.05% BSA.

Molecular Weight:**Swiss-Prot:**

Q9EPK8,Q9ERZ8

Purification&Purity:

Affinity Purification

Applications:

IHC-P: 1:200-1:500

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

The antibody detects endogenous levels of it.

DATA:**Note:**

For research use only, not for use in diagnostic procedure.

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