

Anti-Phospho-TRPV4 (S824) Antibody

Catalog Number: P00565

About TRPV4

TRPV4(Transient Receptor Potential Cation Channel Subfamily V Member 4), also known as TRP12, OTRPC4 or VROAC, is a protein that in humans is encoded by the TRPV4 gene. This gene encodes TRPV4, a member of the OSM9-like transient receptor potential channel(OTRPC) subfamily in the transient receptor potential(TRP) superfamily of ion channels. By genomic sequence analysis, Liedtke et al.(2000) mapped the TRPV4 gene to chromosome 12q24.1. They mapped the mouse Trpv4 gene to distal chromosome 5 by radiation hybrid analysis. Wissenbach et al.(2000) found that hypoosmotic conditions rapidly activated TRP12, while hyperosmotic conditions inhibited the activity.Strotmann et al.(2000) showed that OTRPC4 was responsive to changes in extracellular osmolarity in the physiologically relevant range and was expressed in tissues exposed to changing osmotic environments.

Overview

Product Name	Anti-Phospho-TRPV4 (S824) Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-TRPV4 (S824) Antibody catalog # P00565. Tested in ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q9HBA0

Technical Details

Immunogen	A synthesized peptide derived from human TRPV4(Accession Q9HBA0), corresponding to amino acid residues around Ser824.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.

Suggested Dilutions

ELISA, 1:100-1000

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