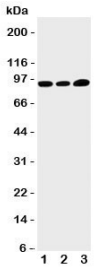
TRPV3 Antibody (R31084)

Catalog No.	Formulation	Size
R31084	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q8NET8
Applications	Western blot: 0.5-1ug/ml
Limitations	This TRPV3 antibody is available for research use only.



Western blot testing of TRPV3 antibody and Lane 1: HeLa; 2: A549; 3: MCF-7 cell lysate. Predicted/observed size ~90KD

Description

Transient Receptor Potential Cation Channel Subfamily V Member 3, also known as VRL3, is encoded by the TRPV3 gene. The protein belongs to a family of nonselective cation channels that function in a variety of processes, including temperature sensation and vasoregulation. Peier et al.(2002) localized the gene to a BAC clone mapped to chromosome 17p13. They mapped the mouse gene to chromosome 11B4. Peier et al.(2002) stably expressed mouse Trpv3 in Chinese hamster ovary cells and assayed electrophysiologic activity by whole cell voltage-clamp techniques. They determined that it is a cation-permeable channel activated by warm and hot temperatures. Xu et al.(2002) showed that increasing temperature from approximately 22 to 40 degrees Celsius in mammalian cells transfected with human TRPV3 elevated

intracellular calcium by activating a nonselective cationic conductance.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the TRPV3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids (757-773 RRTDFNKIQDSSRNNSK-human) were used as the immunogen for this TRPV3 antibody.

Storage

After reconstitution, the TRPV3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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