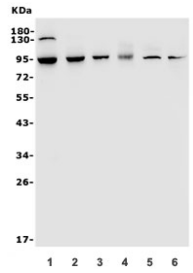
TRPV2 Antibody / VRL1 (RQ5848)

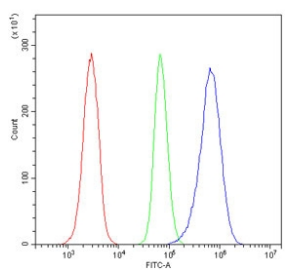
Catalog No.	Formulation	Size
RQ5848	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9Y5S1
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This TRPV2 antibody is available for research use only.



Western blot testing of 1) human A549, 2) human A431, 3) rat brain, 4) mouse brain, 5) mouse heart and 6) mouse lung lysate with TRPV2 antibody. Expected molecular weight: 85-95 kDa depending on glycosylation level.



Flow cytometry testing of human HL-60 cells with TRPV2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TRPV2 antibody.

Description

TRPV2 (Transient Receptor Potential Cation Channel Subfamily V Member 2), also known as VRL1, is a protein that, in humans, is encoded by the TRPV1 gene. The International Radiation Hybrid Mapping Consortium mapped the TRPV2 gene to chromosome 17. This gene encodes an ion channel that is activated by high temperatures above 52?C. The protein may be involved in transduction of high-temperature heat responses in sensory ganglia. It is though that in other tissues the channel may be activated by stimuli other than heat.

Application Notes

Optimal dilution of the TRPV2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids S7-K390) was used as the immunogen for the TRPV2 antibody.

Storage

After reconstitution, the TRPV2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.