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# TRPV5 Rabbit pAb

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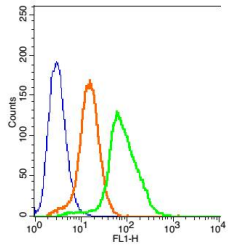
|---|---|
| Catalog Number: | bs-8534R |
| Target Protein: | TRPV5 |
| Concentration: | 1mg/ml |
| Form: | Liquid |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Isotype: | IgG |
| Applications: | Flow-Cyt (1µg/Test) |
| Reactivity: | Human (predicted:Mouse, Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse) |
| Predicted MW: | 83 kDa |
| Entrez Gene: | 56302 |
| Swiss Prot: | Q9NQA5 |
| Source: | KLH conjugated synthetic peptide derived from human TRPV5: 201-300/729. |
| Purification: | affinity purified by Protein A |
| Storage: | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.<br>Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Background: | Transient receptor potential (TRP) proteins are cation-sensitive channels that modulate a myriad of cellular functions, including temperature sensation and vasoregulation Transcribed from a gene adjacent to VR-1, the thermal-sensitive, capsaicin-insensitive TRPV3 is expressed at warm temperatures; expression increases in response to noxious temperatures. Human TRPV3 is expressed in skin, tongue, dorsal root ganglion, trigeminal ganglion, spinal cord and brain. In addition, TRPV3 is co-expressed in dosal root ganglion neurons with VR-1. TRPV3 associates with VR-1 and may modulate VR-1 activity. The 729 amino acid TRPV5 (ECAC1) protein comprises six transmembrane domains, multiple potential phosphorylation sites, an N-linked glycosylation site and three ankyrin repeat regions. It is abundantly expressed in kidney, jejunum and pancreas, and at lower levels in testis, prostate, placenta, brain, colon and rectum. TRPV5 controls the rate-limiting step of vitamin D3-regulated Ca2+ reabsorption in kidney and intestine; the 5’ -flanking region of TRPV5 contains four putative vitamin D3-responsive elements. |

## VALIDATION IMAGES




Blank control(blue): 293T Cells(fixed with 2% paraformaldehyde (10 min)). Primary Antibody: Rabbit Anti-TRPV5/AF488 Conjugated antibody (bs-8534R-AF488), Dilution: 1μg in 100 μL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG/AF488(orange) ,used under the same conditions.