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## Rabbit Anti-Mouse TRPV3 Polyclonal Antibody Datasheet

**Product Name:** pAb Rabbit anti-Mouse TRPV3

**Catalogue No.:** AI80012A

**Quantity:** 0.1 mg/vial

**Description:** Rabbit anti-Mouse transient receptor potential cation channel V3 (TRPV3) polyclonal antibody

**Purification:** Protein G affinity purified

**Product Type:** Primary antibody

**Target Protein:** Mouse transient receptor potential cation channel V3 (TRPV3)

**Immunogen:** A synthetic peptide (YRPREEEAI) corresponding to amino acid 461-469 of mouse TRPV3, conjugated with KLH for immunization.

**Specificity:** This antibody is reactive to the 91kDa TRPV3 from mouse brain tissue on Western blot.

**Species Reactivity:** Mouse and other species with consensus TRPV3 sequence (YRPREEEAI)

**Host:** Rabbit

**Formulation:** Lyophilized in pH 7.4, 0.01M PBS

**Reconstitution:** Double distilled water is recommended to adjust the final concentration to 1.00 mg/mL.

**Storage:** Store at -20°C

**Research Area:** Life science research, stem cell factor signalling, cancer research

**Background:** Mouse transient receptor potential cation channel V3 (TRPV3) belongs to the family of transient receptor potential ion channels. The members of the family have similar tetramer structure and have shown polymodal activation. TRPV3 is a warmth sensor. It is activated at temperatures between 22 and 40 °C. TRPV3 is thought to be able to form hybrid channel with TRPV1 through hetero-assembly of the monomers. In human, the genes for TRPV3 and TRPV1 are located on chromosome 17.

**Applications:** **ELISA:** Dilute the antibody approx. 1:5,000 for detection of TRPV3 peptide (YRPREEEAI) coated on ELISA plate.

**Western blot:** Dilute approx. 1:2,000 for using in Western blotting to detect the 91kDa TRPV3 in mouse brain tissue extract.

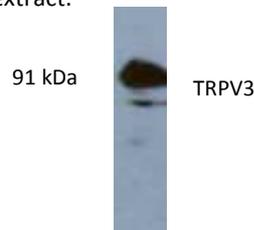


Fig.1 Western blot analysis of extracts from mouse brain using anti-TRPV3 rabbit whole antiserum.

**References:** If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

This product is for **LABORATORY RESEARCH USE** and further manufacture **ONLY**, and cannot be administered to human and animals for use in diagnostic and therapeutic procedures.

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