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Rabbit Anti-Mouse TRPV1 Polyclonal Antibody Datasheet

Product Name: pAb Rabbit anti-Mouse TRPV1

Catalogue No.: AI80011A

Quantity: 0.1 mg/vial

Description: Rabbit anti- Mouse transient receptor potential cation channel V1 (TRPV1) polyclonal antibody

Purification: Protein G affinity purified

Product Type: Primary antibody

Target Protein: Transient receptor potential cation channel V1 (TRPV1)

Immunogen: A synthetic peptide (GEKPPRLYDRR) corresponding to the amino acid residue 105-115 of mouse TRPV1, conjugated with KLH for immunization.

Specificity: This antibody is reactive to the 95kDa TRPV1 in mouse brain tissue extract on Western blot.

Species Reactivity: Mouse and other species with consensus TRPV1 sequence (GEKPPRLYDRR)

Host: Rabbit

Formulation: Lyophilized in pH 7.4, 0.01M PBS.

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

Storage: Store at -20°C

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

Background: Mouse transient receptor potential cation channel V1 (TRPV1) is a nociceptor which is activated by noxious stimuli such as high temperature (above 43°C), acidic PH, and pungent chemical such as vanilloid, the

“hot” componeunt of chili peppers. Members of the TPV family are capble of polymodal activation and have a similar tetramer structure. There are transmembrane regions with pore forming domains on the monomers. In chronic pain condition, normally innocuous stimuli is converted as noxious signaling. It is believed that TRPV1 is one of the contributors of this wrong transduction. TRPV1 has emerged as a target for pain medication.

Applications: **ELISA:** Dilute the antibody approx. 1:100,000 for detection of Kchip1 peptide (QTKQRRPSKDK) coated on ELISA plate.

Western blot: Dilute approx. 1:5,000 for Western blotting to detect the 95kDa TRPV1 in mouse brain tissue extract.

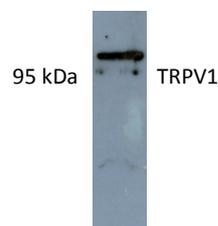


Fig.1 Western blot analysis of extracts from mouse brain using anti-TRPV1 rabbit whole antiserum.

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 administrated to human and animals for use in diagnostic and therapeutic procedures.

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