

Datasheet for 600-401-FQ6**TRPV1 Antibody****Overview**

Description:	Anti-TRPV1 (RABBIT) Antibody - 600-401-FQ6
Item No.:	600-401-FQ6
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	TRPV1 is a receptor for capsaicin, the main pungent ingredient in hot chili peppers, and elicits a sensation of burning pain by selectively activating sensory neurons. TRPV1 is a non-selective cation channel that is structurally related to members of the TRP family of ion channels such as TRPC3 and TRPC6. This receptor is also activated by increases in temperature in the noxious range, suggesting that it functions as a transducer of painful thermal stimuli in vivo.
Synonyms:	TRPV1 Antibody, VR1, VR1, Transient receptor potential cation channel subfamily V member 1, Capsaicin receptor, TrpV1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TRPV1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TRPV1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid peptide near the C-terminus of human TRPV1.
Purity/Specificity:	Anti-TRPV1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with TRPV1 from other sources has not been determined.

Relevant Links:	• UniProtKB - Q8NER1 • GeneID - 7442 • NCBI - NP_061197.4
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Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-TRPV1 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 95 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
WB:	1-2 µg/mL

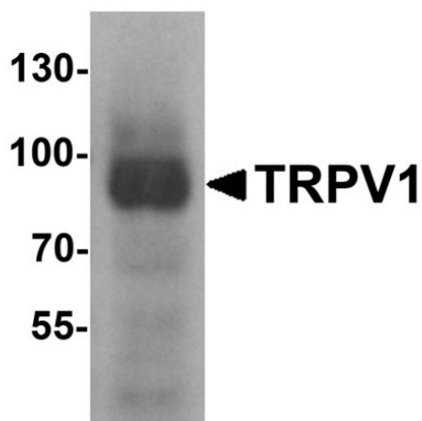
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

**Western Blot**

Western blot analysis of TRPV1.

Load: K562 cell lysate.

Primary Antibody: TRPV1 antibody at 1 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.