Datasheet for ABIN657909

anti-TRPV1 antibody (N-Term)

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Overview

Quantity:	400 µL
Target:	TRPV1
Binding Specificity:	AA 124-153, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRPV1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This TRPV1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 124-153 amino acids from the N-terminal region of human TRPV1.
Clone:	RB33721
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	TRPV1
Alternative Name:	TRPV1 (TRPV1 Products)
Background:	Capsaicin, the main pungent ingredient in hot chili peppers, elicits a sensation of burning pain

Target Details

	by selectively activating sensory neurons that convey information about noxious stimuli to the central nervous system. The protein encoded by this gene is a receptor for capsaicin and is a non-selective cation channel that is structurally related to members of the TRP family of ion channels. 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. Four transcript variants encoding the same protein, but with different 5' UTR sequence, have been described for this gene.
Molecular Weight:	94956
Gene ID:	7442
NCBI Accession:	NP_061197, NP_542435, NP_542436, NP_542437
UniProt:	Q8NER1
Pathways:	Dicarboxylic Acid Transport

Application Details

Application Notes:	WB: 1:2000. WB: 1:1000. IHC-P-Leica: 1:500. IHC-P-Leica: 1:500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	TRPV1 Antibody (N-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months

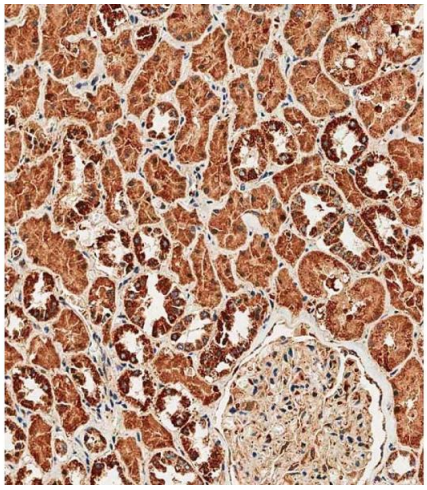
Publications

Product cited in:	Miyano, Minami, Yokoyama, Ohbuchi, Yamaguchi, Murakami, Shiraishi, Yamamoto, Matoba,

Publications

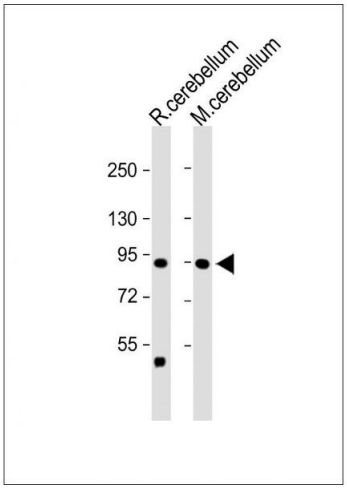
Uezono: "Tramadol and its metabolite m1 selectively suppress transient receptor potential ankyrin 1 activity, but not transient receptor potential vanilloid 1 activity." in: **Anesthesia and analgesia**, Vol. 120, Issue 4, pp. 790-8, (2015) (PubMed).

Images



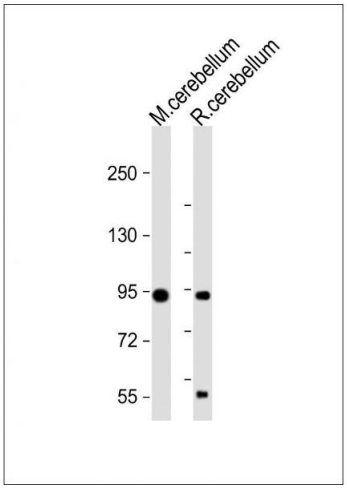
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical analysis of paraffin-embedded human kidney tissue using (ABIN657909 and ABIN2846858) performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH 9. 0). Samples were incubated with primary Antibody (1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Western Blotting

Image 2. All lanes : Anti-TRPV1 Antibody (N-term) at 1:2000 dilution Lane 1: Rat cerebellum lysate Lane 2: Mouse cerebellum lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 95 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 3. Anti-TRPV1 Antibody (N-term) at 1:1000 dilution Lane 1:Mouse cerebellum lysate Lane 2:Rat cerebellum lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 95 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the product details page for more images. Overall 4 images are available for ABIN657909.