ARG43393
anti-TrpV1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TrpV1
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TrpV1
Species	Human
Immunogen	KLH-conjugated synthetic peptide between aa. 124-153 of Human TrpV1.
Conjugation	Un-conjugated
Alternate Names	OTRPC1; VR1; Vanilloid receptor 1; Capsaicin receptor; TrpV1; Osm-9-like TRP channel 1; Transient receptor potential cation channel subfamily V member 1

Application Instructions

Application table

Application	Dilution
IHC-P	1:500
WB	1:1000 - 1:2000

Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 9.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Mouse cerebellum and Rat cerebellum
Observed Size	~ 95 kDa

Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

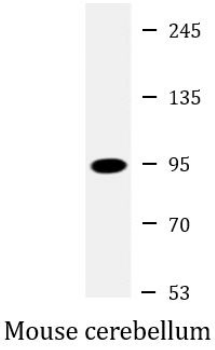
Bioinformation

Gene Symbol	TRPV1
Gene Full Name	transient receptor potential cation channel, subfamily V, member 1
Background	Capsaicin, the main pungent ingredient in hot chili peppers, elicits a sensation of burning pain 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. [provided by RefSeq, Jul 2008]
Function	

Images

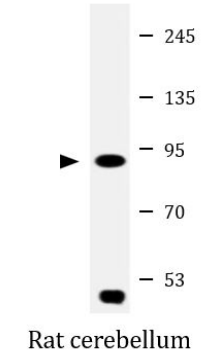
ARG43393 anti-TrpV1 antibody IHC-P image

Immunohistochemistry: Formaldehyde-fixed and paraffin-embedded Human brain tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 9.0). Samples were stained with ARG43393 anti-TrpV1 antibody at 1:500 dilution, for 1 hour at room temperature.



ARG43393 anti-TrpV1 antibody WB image

Western blot: 20 µg of Mouse cerebellum lysate stained with ARG43393 anti-TrpV1 antibody at 1:2000 dilution.



ARG43393 anti-TrpV1 antibody WB image

Western blot: 20 µg of Rat cerebellum lysate stained with ARG43393 anti-TrpV1 antibody at 1:2000 dilution.