

For Research Use Only

TRPA1 Recombinant monoclonal antibody

Catalog Number: 84986-3-RR



Basic Information

Catalog Number: 84986-3-RR	GenBank Accession Number: NM_007332	Purification Method: Protein A purification
Size: 100ul, Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 8989	CloneNo.: 250625D10
Source: Rabbit	UNIPROT ID: O75762	Recommended Dilutions: WB: 1:1000-1:4000 IHC: 1:500-1:2000
Isotype: IgG	Full Name: transient receptor potential cation channel, subfamily A, member 1	
	Calculated MW: 140 kDa	
	Observed MW: 130 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293 cells, SH-SY5Y cells, U2OS cells, mouse brain tissue, rat brain tissue

IHC : human colon tissue,

Background Information

TRPA1, also named as ANKTM1, belongs to the transient receptor family. TRPA1 is a receptor-activated non-selective cation channel involved in detection of pain and possibly also in cold perception and inner ear function. TRPA1 has a central role in the pain response to endogenous inflammatory mediators and to a diverse array of volatile irritants, such as mustard oil, garlic and acrolein, an irritant from tears gas and vehicule exhaust fumes. It acts also as a ionotropic cannabinoid receptor by being activated by delta(9)-tetrahydrocannabinol (THC), the psychoactive component of marijuana. It may be a component for the mechanosensitive transduction channel of hair cells in inner ear, thereby participating in the perception of sounds.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

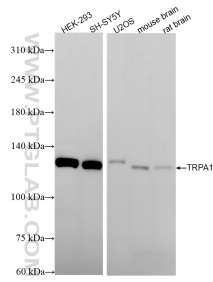
For technical support and original validation data for this product please contact:

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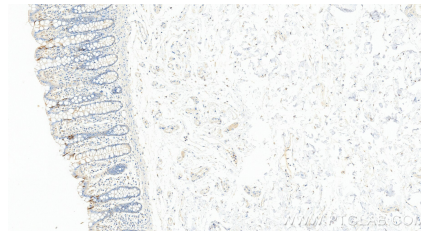
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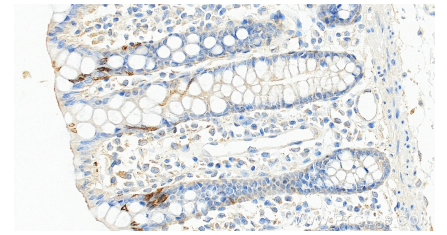
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84986-3-RR (TRPA1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 84986-3-RR (TRPA1 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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