

For Research Use Only

TRPA1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 84986-3-PBS



Basic Information

Catalog Number: 84986-3-PBS	GenBank Accession Number: NM_007332	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 8989	CloneNo.: 250625D10
Source: Rabbit	UNIPROT ID: O75762	
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, Indirect ELISA

Species Specificity:
human, mouse, rat

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 vehicle 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

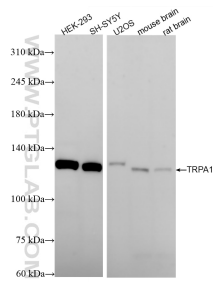
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

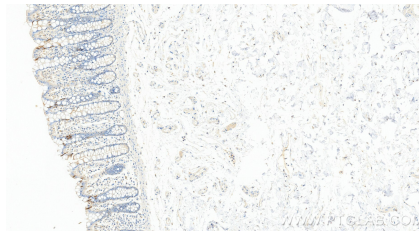
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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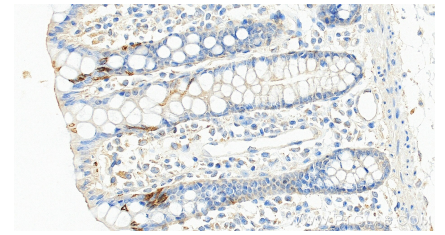
Selected Validation Data



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. This data was developed using the same antibody clone with 84986-3-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84986-3-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84986-3-PBS in a different storage buffer formulation.