

For Research Use Only

TRPA1 Polyclonal antibody

Catalog Number: 19124-1-AP **19 Publications**



Basic Information

Catalog Number: 19124-1-AP	GenBank Accession Number: NM_007332	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 8989	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: transient receptor potential cation channel, subfamily A, member 1	
Isotype: IgG	Calculated MW: 140 kDa	
	Observed MW: 120-130 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : SH-SY5Y cells, IHC : mouse cerebellum tissue, mouse brain tissue
Cited Applications: FC, IF, IHC, WB	
Species Specificity: human, mouse	
Cited Species: human, rat, mouse	

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

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yangqiu Liu	34514518	J Mol Histol	WB,IF,IHC
Torsten Lowin	32873774	Cell Death Dis	FC
Norihiro Suzuki	33188562	Mol Nutr Food Res	WB,IF

Storage

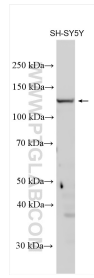
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

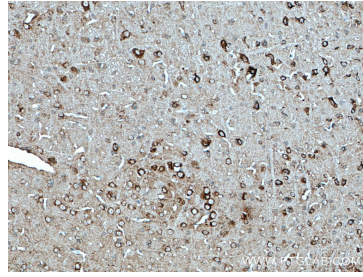
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

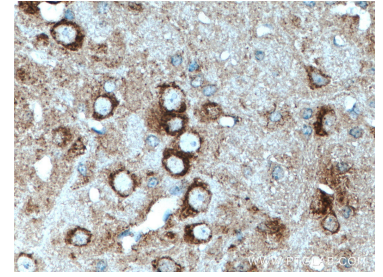
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 19124-1-AP (TRPA1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 19124-1-AP (TRPA1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 19124-1-AP (TRPA1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).