

For Research Use Only

TRPS1 Polyclonal antibody

Catalog Number: 21938-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

21938-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 427 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16583

GenBank Accession Number:

BC125020

GeneID (NCBI):

7227

UNIPROT ID:

Q9UHF7

Full Name:

trichorhinophalangeal syndrome I

Calculated MW:

1294 aa, 143 kDa

Observed MW:

150 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF-P 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, IF-P, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: HEK-293 cells, HeLa cells, mouse kidney tissue, mouse lung tissue, mouse testis tissue

IP: mouse lung tissue,

IF-P: mouse skin tissue,

IF/ICC: MCF-7 cells,

Background Information

TRPS1 is a zinc finger transcriptional repressor involved in the regulation of chondrocyte and perichondrium development, containing a GATA-type zinc finger through which it binds to DNA. with nine zinc-finger domains and two C-terminal Ikaros-like zinc fingers. Its repressible function was dependent on the integrity of the Trps1 GATA-type zinc-finger domain and also required the C-terminal 119 amino acids of the protein, which harbor the two Ikaros-like zinc-finger domains

Notable Publications

Author	Pubmed ID	Journal	Application
Fan Wang	40074730	Cell Death Discov	WB
Yushan Zhang	39074626	Biochim Biophys Acta Mol Basis Dis	
Dapeng Zhao	38967737	Clin Transl Oncol	IF

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

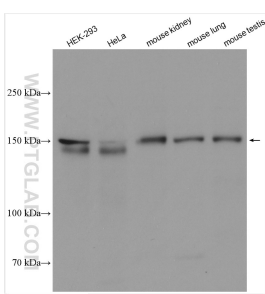
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

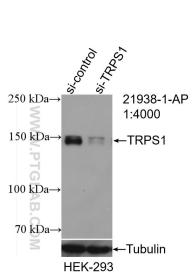
E: proteintech@ptglab.com
W: ptglab.com

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

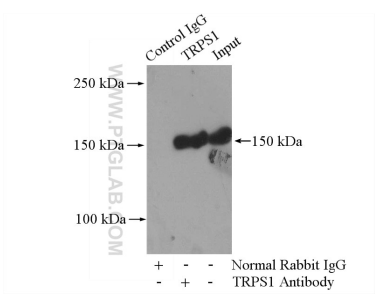
Selected Validation Data



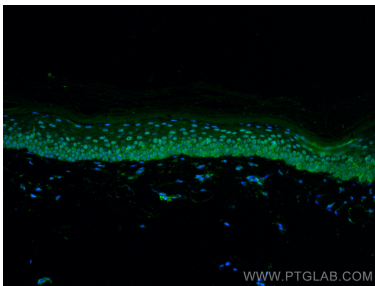
Various lysates were subjected to SDS PAGE followed by western blot with 21938-1-AP (TRPS1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



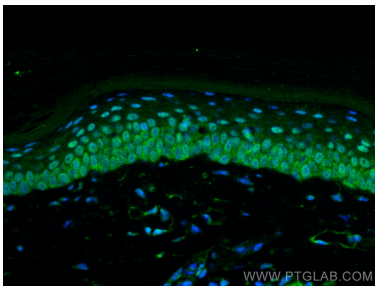
WB result of TRPS1 antibody (21938-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TRPS1 transfected HEK-293 cells.



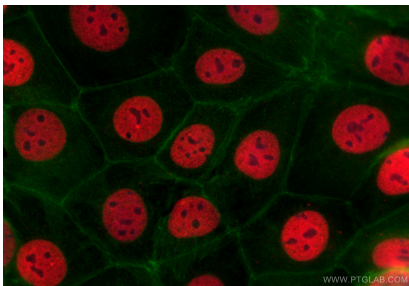
IP result of anti-TRPS1 (IP:21938-1-AP, 4ug; Detection:21938-1-AP 1:1000) with mouse lung tissue lysate 3600ug.



Immunofluorescent analysis of (4% PFA) fixed mouse skin tissue using TRPS1 antibody (21938-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using TRPS1 antibody (21938-1-AP) at dilution of 1:200 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4), (CL488-Phalloidin, green).