

For Research Use Only

# TRPS1 Polyclonal antibody

Catalog Number: 21938-1-AP

Featured Product



## Basic Information

**Catalog Number:**

21938-1-AP

**Size:**

150ul, Concentration: 650 µg/ml by Nanodrop;

**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 1:50-1:500

## Applications

**Tested Applications:**

WB, IP, IF, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

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

IP : mouse lung tissue,

IF : mouse skin tissue,

## 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

## 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

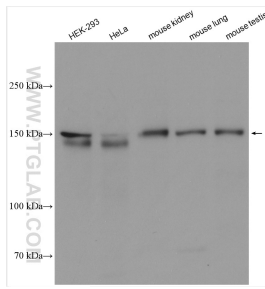
For technical support and original validation data for this product please contact:

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

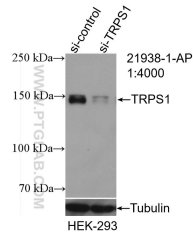
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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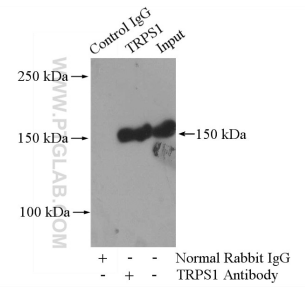
## Selected Validation Data



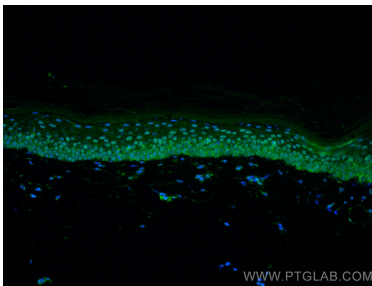
Various lysates were subjected to SDS PAGE followed by western blot with 21938-1-AP (TRPS1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



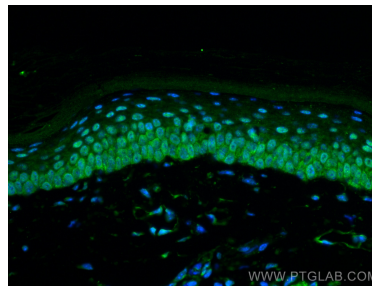
WB result of TRPS1 antibody (21938-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TRPS1 transfected HEK-293 cells.



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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