

For Research Use Only

# TRPC6 Polyclonal antibody, PBS Only

Catalog Number: 18236-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

18236-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG12976

**GenBank Accession Number:**

BC093658

**GeneID (NCBI):**

7225

**UNIPROT ID:**

Q9Y210

**Full Name:**

transient receptor potential cation channel, subfamily C, member 6

**Calculated MW:**

931 aa, 106 kDa

**Observed MW:**

100-110 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, IF-P, FC (Intra), IP, Indirect ELISA

**Species Specificity:**

human, mouse

## Background Information

Transient receptor potential canonical (TRPC) channels mediate the influx of different types of cations through the cell membrane and are involved in many functions of the organism (PMID: 28508319). The TRPC subfamily consists of seven members, TRPC1, TRPC2, TRPC3, TRPC4, TRPC5, TRPC6, TRPC7 (PMID: 32872338). TRPC6 is a Ca<sup>2+</sup>-permeable non-selective cation channel expressed in most human tissues. TRPC6 has been considered as potential therapeutic targets for malignant glioma treatment (PMID: 35489424).

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

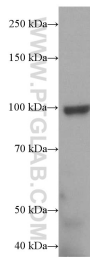
For technical support and original validation data for this product please contact:

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

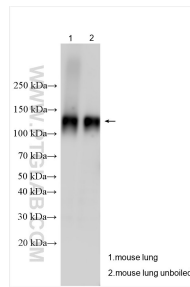
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

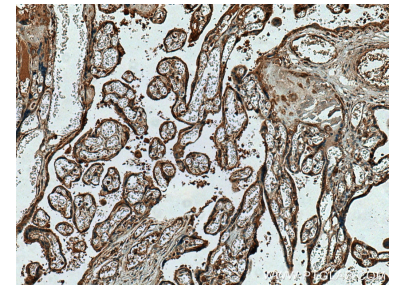
## Selected Validation Data



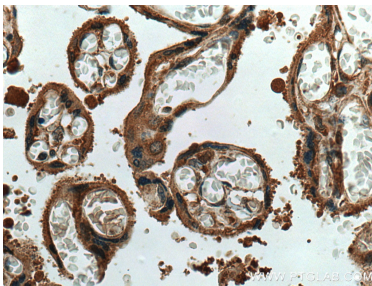
mouse brain tissue were subjected to SDS PAGE followed by western blot with 18236-1-AP (TRPC6 antibody) at dilution of 1:500. This data was developed using the same antibody clone with 18236-1-PBS in a different storage buffer formulation.



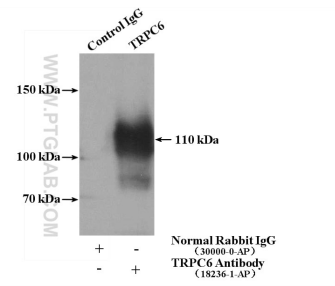
Various lysates were subjected to SDS PAGE followed by western blot with 18236-1-AP (TRPC6 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 18236-1-PBS in a different storage buffer formulation.



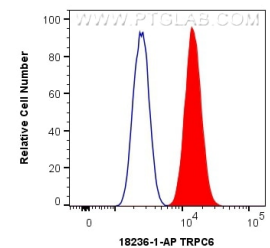
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 18236-1-AP (TRPC6 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18236-1-PBS in a different storage buffer formulation.



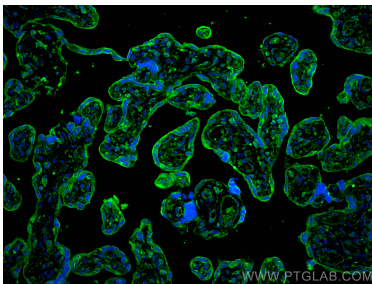
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 18236-1-AP (TRPC6 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18236-1-PBS in a different storage buffer formulation.



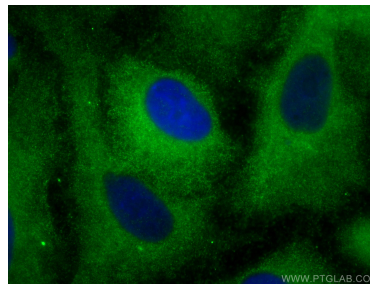
IP result of anti-TRPC6 (IP:18236-1-AP, 4ug; Detection:18236-1-AP 1:300) with mouse lung tissue lysate 3600ug. This data was developed using the same antibody clone with 18236-1-PBS in a different storage buffer formulation.



$1 \times 10^6$  A549 cells were intracellularly stained with 0.4 ug Anti-Human TRPC6 (18236-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 18236-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human placenta tissue using TRPC6 antibody (18236-1-AP) at dilution of 1:200 and Multi-Ab CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18236-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using TRPC6 antibody (18236-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 18236-1-PBS in a different storage buffer formulation.