For Research Use Only

TRPS1 Recombinant monoclonal antibody, PBS Only

Catalog Number:83062-4-PBS Featured Product

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Basic Information

Catalog Number:
83062-4-PBS

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG33959

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:
Protein A purification

CloneNo.:
230051F10

Applications

Tested Applications:
WB, IHC, FC (Intra), Indirect ELISA

Species Specificity:
human

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 reperssible 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.

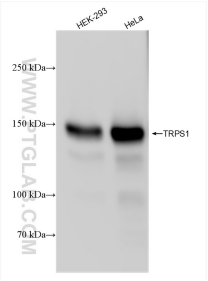
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

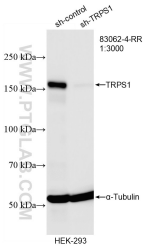
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

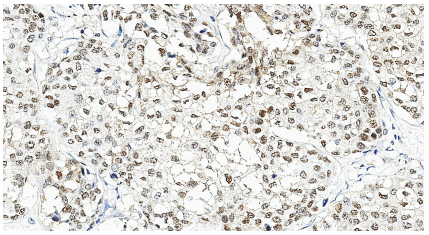
Selected Validation Data



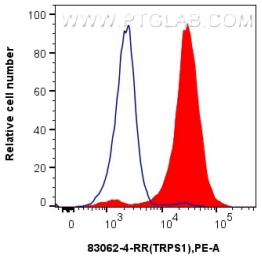
Various lysates were subjected to SDS PAGE followed by western blot with 83062-4-RR (TRPS1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83062-4-PBS in a different storage buffer formulation.



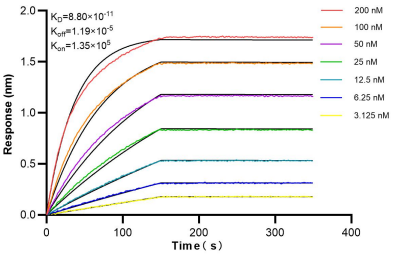
WB result of TRPS1 antibody (83062-4-RR; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TRPS1 transfected HEK-293 cells. This data was developed using the same antibody clone with 83062-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 83062-4-RR (TRPS1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83062-4-PBS in a different storage buffer formulation.



1x10^6 MCF-7 cells were intracellularly stained with 0.25 ug TRPS1 Recombinant antibody (83062-4-RR, Clone:230051F10) and PE-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 83062-4-PBS in a different storage



Biolayer interferometry (BLI) kinetic assays of 83062-4-RR against Human TRPS1 were performed. The affinity constant is 88.0 pM.