

For Research Use Only

# TRPS1 Recombinant antibody

Catalog Number: 83062-4-RR



## Basic Information

Catalog Number: 83062-4-RR	GenBank Accession Number: BC125020	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 7227	CloneNo.: 230051F10
Source: Rabbit	UNIPROT ID: Q9UHF7	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:200-1:800
Isotype: IgG	Full Name: trichorhinophalangeal syndrome I	
Immunogen Catalog Number: AG33959	Calculated MW: 1294 aa, 143 kDa Observed MW: 150 kDa	

## Applications

Tested Applications: WB, IHC, FC (Intra), ELISA	Positive Controls: WB : HEK-293 cells, HeLa cells IHC : human breast cancer tissue,
Species Specificity: human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

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

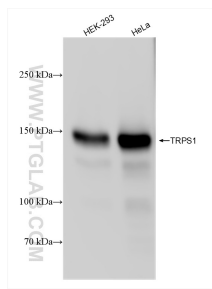
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E: Proteintech-CN@ptglab.com

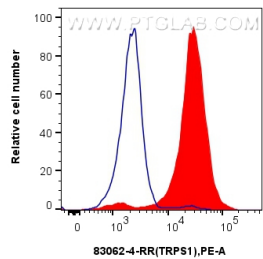
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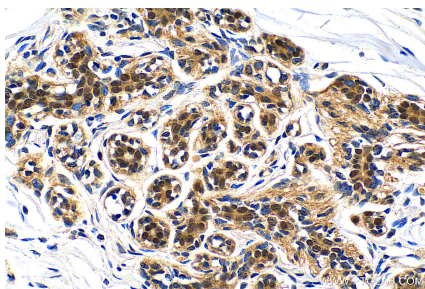
## Selected Validation Data



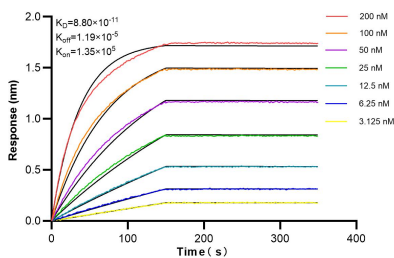
Various lysates were subjected to SDS PAGE followed by western blot with 83062-4-RR (TRPS1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



1x10<sup>6</sup> 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 (PFO0011).



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).



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