

For Research Use Only

# ZBTB33 Polyclonal antibody, PBS Only

Catalog Number: 55270-1-PBS



## Basic Information

**Catalog Number:**

55270-1-PBS

**Size:**

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

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_006777

**GeneID (NCBI):**

10009

**UNIPROT ID:**

Q86T24

**Full Name:**

zinc finger and BTB domain containing 33

**Calculated MW:**

74 kDa

**Observed MW:**

68-74 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IHC, IP, Indirect ELISA

**Species Specificity:**

human

## Background Information

ZBTB33, also named as Transcriptional regulator Kaiso, is a 672 amino acid protein, which localizes in nucleus and cytoplasm. ZBTB33 as a transcriptional regulator with bimodal DNA-binding specificity binds to methylated CpG dinucleotides in the consensus sequence 5'-CGCG-3' and non-methylated consensus sequence 5'-CTGCNA-3' also known as the consensus kaiso binding site (KBS). ZBTB33 recruits the N-CoR repressor complex to promote histone deacetylation and the formation of repressive chromatin structures in target gene promoters and may contribute to the repression of target genes of the Wnt signaling pathway. The calculated molecular weight of ZBTB33 is 75 kDa, but modified protein is about 100 kDa (PMID: 10207085 and PMID: 16354691)

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

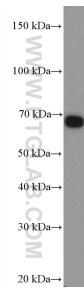
For technical support and original validation data for this product please contact:

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

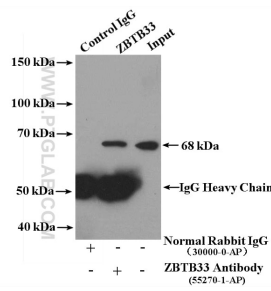
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

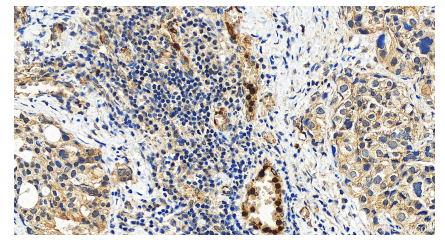
## Selected Validation Data



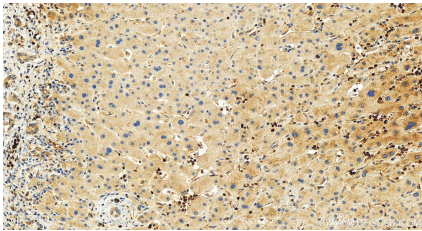
A431 cells were subjected to SDS PAGE followed by western blot with 55270-1-AP (ZBTB33 Antibody) at dilution of 1:100 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 55270-1-PBS in a different storage buffer formulation.



IP result of anti-ZBTB33 (IP:55270-1-AP, 4ug; Detection:55270-1-AP 1:300) with A431 cells lysate 1200ug. This data was developed using the same antibody clone with 55270-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 55270-1-AP (ZBTB33 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 55270-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 55270-1-AP (ZBTB33 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 55270-1-PBS in a different storage buffer formulation.