

For Research Use Only

ZBTB33 Polyclonal antibody

Catalog Number: 55270-1-AP

2 Publications



Basic Information

Catalog Number:

55270-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 433 ug/ml by Bradford method using BSA as the standard;

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

Recommended Dilutions:

WB 1:200-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

IHC, IF, CoIP, ChIP

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB: A431 cells,

IP: A431 cells,

IHC: human ovary cancer tissue, human intrahepatic cholangiocarcinoma tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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)

Notable Publications

Author	Pubmed ID	Journal	Application
Meng Jin	38241815	Biochem Biophys Res Commun	CoIP, ChIP
Xinzhe Feng	37063878	Front Immunol	IHC, IF

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

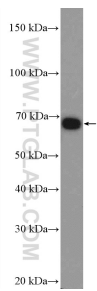
For technical support and original validation data for this product please contact:

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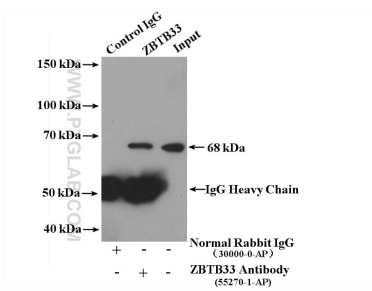
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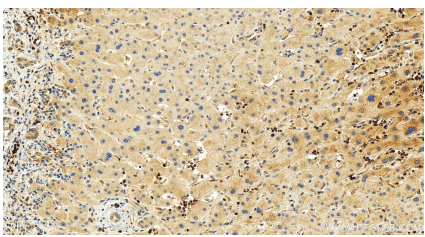
Selected Validation Data



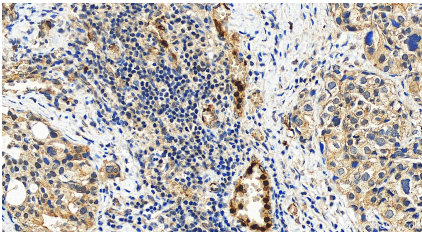
A431 cells were subjected to SDS PAGE followed by western blot with 55270-1-AP (ZBTB33 Antibody) at dilution of 1:100 incubated at room temperature for 1.5 hours.



IP result of anti-ZBTB33 (IP:55270-1-AP, 4ug; Detection:55270-1-AP 1:300) with A431 cells lysate 1200ug.



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).



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).