

For Research Use Only

# ZEB1 Polyclonal antibody

Catalog Number: 21544-1-AP

Featured Product

246 Publications



## Basic Information

### Catalog Number:

21544-1-AP

### Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG16204

### GenBank Accession Number:

BC112392

### GeneID (NCBI):

6935

### UNIPROT ID:

P37275

### Full Name:

zinc finger E-box binding homeobox 1

### Calculated MW:

1125 aa, 124 kDa

### Observed MW:

190-210 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

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

## Applications

### Tested Applications:

WB, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP, CoIP, ChIP

### Species Specificity:

human, mouse

### Cited Species:

human, mouse, rat, pig

### Positive Controls:

WB: Jurkat cells, MCF-7 cells, PC-3 cells, COLO 320 cells, MDA-MB-453s cells, mouse colon tissue

IP: COLO 320 cells,

## Background Information

ZEB1(zinc-finger-enhancer binding protein 1), which is a member of the Zinc finger-Homeobox (ZFH) family of repressors, acts as a transcriptional repressor that inhibits interleukin-2 (IL-2) gene expression. Depending on the quantity of cDNA and on the cell type, ZEB1 can enhance or repress the promoter activity of the ATP1A1 gene. Represses E-cadherin promoter and induces an epithelial-mesenchymal transition (EMT) by recruiting SMARCA4/BRG1. Represses BCL6 transcription in the presence of the corepressor CTBP1. Positively regulates neuronal differentiation. The calculated molecular weight of ZEB1 is 124 kDa, but the post-phosphorylation of protein is about 190-210 kDa. This is a rabbit polyclonal antibody raised against part of the full length of ZEB1 of human.

## Notable Publications

Author	Pubmed ID	Journal	Application
Caixia Yu	36181978	Virus Res	WB
Chenlong Li	31558707	Cell Death Dis	WB
Duo Shi	34555439	Virus Res	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

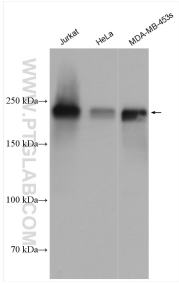
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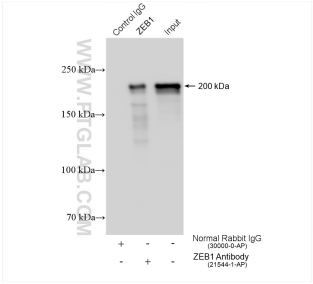
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21544-1-AP (ZEB1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-ZEB1 (IP:21544-1-AP, 4ug; Detection:21544-1-AP 1:8000) with COLO 320 cells lysate 1320 ug.