

For Research Use Only

# DR1 Polyclonal antibody

Catalog Number: 10406-1-AP

2 Publications



## Basic Information

### Catalog Number:

10406-1-AP

### Size:

150ul, Concentration: 900 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0664

### GenBank Accession Number:

BC002809

### GeneID (NCBI):

1810

### UNIPROT ID:

Q01658

### Full Name:

down-regulator of transcription 1, TBP-binding (negative cofactor 2)

### Calculated MW:

19 kDa

### Observed MW:

19 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:10-1:100

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human

### Positive Controls:

WB : mouse testis tissue, PC-3 cells

IHC : human breast cancer 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

Down-regulator of transcription 1, TATA box-binding protein (TBP)-binding (negative cofactor 2) is a TBP associated phosphoprotein that represses both basal and activated levels of TBP transcription. DR1 is phosphorylated in vivo and this phosphorylation affects its interaction with TBP. DR1 contains a histone fold motif at the amino terminus, a TBP-binding domain, and a glutamine- and alanine-rich region. The binding of DR1 repressor complexes to TBP-promoter complexes may establish a mechanism in which an altered DNA conformation, together with the formation of higher order complexes, inhibits the assembly of the preinitiation complex and controls the rate of RNA polymerase II transcription.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yiming Zhao	36894051	Exp Cell Res	WB
Guelman Sebastián S	19103755	Mol Cell Biol	WB

## 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

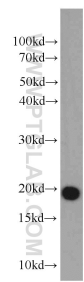
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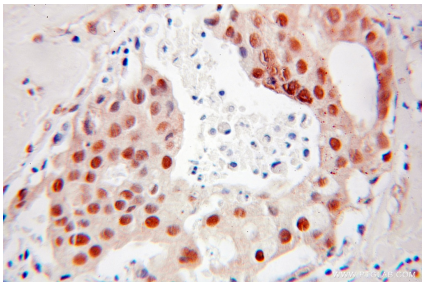
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## Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 10406-1-AP (DR1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 10406-1-AP (DR1 antibody) at dilution of 1:10 (under 25x lens).