

For Research Use Only

DR1 Polyclonal antibody

Catalog Number: 10406-1-AP **2 Publications**



Basic Information

Catalog Number:

10406-1-AP

Size:

900 µg/ml

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:

IHC, WB, 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

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

T: 4006900926

E: Proteintech-CN@ptglab.com

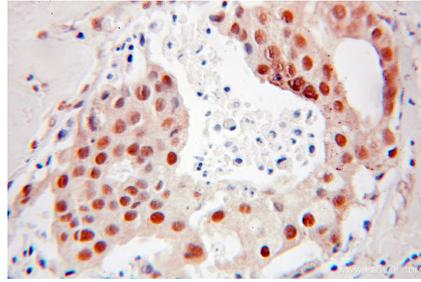
W: ptgcn.com

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

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).