

For Research Use Only

DR1 Polyclonal antibody

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



Basic Information

Catalog Number: 10406-1-AP	GenBank Accession Number: BC002809	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 900 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1810	Recommended Dilutions: WB 1:500-1:2000 IHC 1:10-1:100
Source: Rabbit	Full Name: down-regulator of transcription 1, TBP-binding (negative cofactor 2)	
Isotype: IgG	Calculated MW: 19 kDa	
Immunogen Catalog Number: AG0664	Observed MW: 19 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : mouse testis tissue, PC-3 cells IHC : human breast cancer tissue,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human	

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

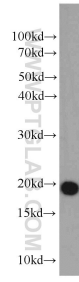
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

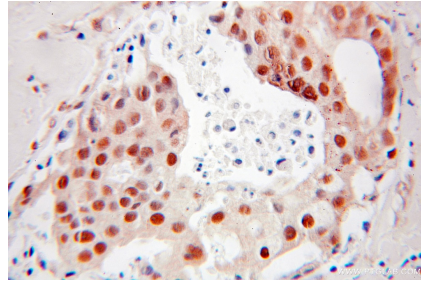
For technical support and original validation data for this product please contact:
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Selected Validation Data



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).