

DR1 Polyclonal Antibody

Catalog number: 10406-1-AP

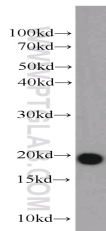
Size: 30 µg/150 µl

Source: Rabbit

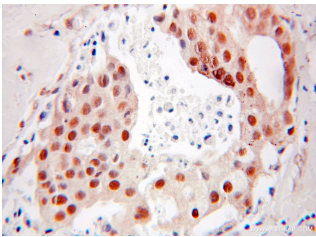
Isotype: IgG

Synonyms:

DR1; NC2; NC2-BETA



mouse testis tissue were subjected to SDS PAGE followed by western blot with 10406-1-AP(DR1 Antibody) at dilution of 1:1000



Immunohistochemistry of paraffin-embedded human breast cancer using 10406-1-AP(DR1 Antibody) at Dilution 1:10 (under 25x lens)

Background

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.

Applications

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|---------------------------|--|
| Tested applications: | ELISA, WB, IHC |
| Cited applications: | WB |
| Species specificity: | Human, mouse, rat; other species not tested. |
| Cited species: | Human |
| Positive WB detected in: | Mouse testis tissue, PC-3 cells |
| Calculated DR1 MW: | 19kd |
| Observed DR1 MW: | 19-20kd |
| Positive IHC detected in: | Human breast cancer |
| Recommended dilution: | WB: 1:500-1:5000 IHC: 1:10-1:100 |

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation, FC = Flow cytometry

Immunogen information

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|---------------------------|--|
| Immunogen: | Ag0664 |
| GenBank accession number: | BC002809 |
| Gene ID (NCBI): | 1810 |
| Full name: | Down-regulator of transcription 1, TBP-binding (negative cofactor 2) |

Product information

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|----------------------|---|
| Purification method: | Antigen affinity purification |
| Storage: | PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C. |