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TFDP2 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50717

Specification

TFDP2 Antibody - Product Information

Application	**WB**
Primary Accession	Q14188
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**49,41,43,39,35,46 KDa**
Antigen Region	**84-144**

TFDP2 Antibody - Additional Information

Gene ID 7029

Other Names
Transcription factor Dp-2, E2F dimerization partner 2, TFDP2, DP2

Dilution
WB~~ 1:1000

Storage
Store at -20 °C.Stable for 12 months from date of receipt

TFDP2 Antibody - Protein Information

Name TFDP2

Synonyms DP2

Function
Can stimulate E2F-dependent transcription. Binds DNA cooperatively with E2F family members through the E2 recognition site, 5'-TTTC[CG]CGC-3', found in the promoter region of a number of genes whose products are involved in cell cycle regulation or in DNA replication. The TFDP2:E2F complex functions in the control of cell- cycle progression from G1 to S phase. The E2F1:DP complex appears to mediate both cell proliferation and apoptosis. Blocks adipocyte differentiation by repressing CEBPA binding to its target gene promoters (PubMed:20176812).

Cellular Location
Nucleus.

Tissue Location
High levels in heart and skeletal muscle. Also found in placenta, kidney, brain, lung and liver. The presence as well as the abundance of the different transcripts appear to vary significantly in

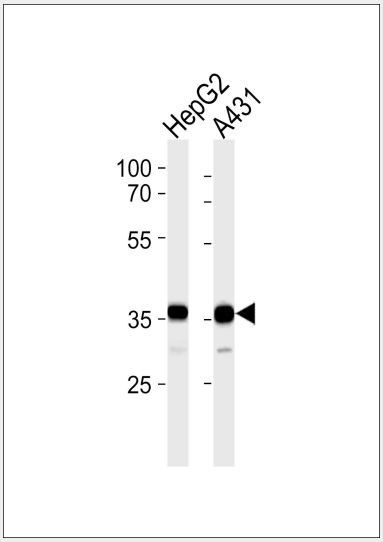
different tissues and cell lines

TFDP2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TFDP2 Antibody - Images



Western blot analysis of lysates from HepG2,A431 cell line (from left to right),using TFDP2 Antibody was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug per lane.

TFDP2 Antibody - Background

Can stimulate E2F-dependent transcription. Binds DNA cooperatively with E2F family members through the E2 recognition site, 5'-TTTC[CG]CGC-3', found in the promoter region of a number of genes whose products are involved in cell cycle regulation or in DNA replication. The DP2/E2F complex functions in the control of cell-cycle progression from G1 to S phase. The E2F1/DP complex appears to mediate both cell proliferation and apoptosis.

TFDP2 Antibody - References

Wu C.-L.,et al.Mol. Cell. Biol. 15:2536-2546(1995).
Zhang Y.,et al.Oncogene 10:2085-2093(1995).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Li W.B.,et al.Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.
Muzny D.M.,et al.Nature 440:1194-1198(2006).