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TFDP2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50717

Product Information

Application	WB
Primary Accession	Q14188
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49236

Additional Information

Gene ID	7029
Other Names	Transcription factor Dp-2, E2F dimerization partner 2, TFDP2, DP2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human DP2. The exact sequence is proprietary.
Dilution	WB~~ 1:1000
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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

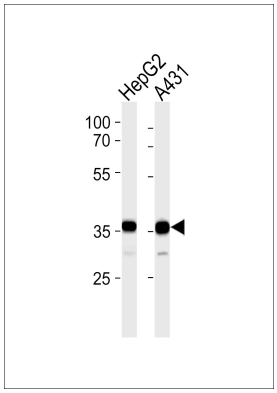
Background

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.

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).

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.