

TFDP1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51554

Product Information

Application	WB, ICC, IHC-P
Primary Accession	Q14186
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45070

Additional Information

Gene ID	7027
Other Names	Transcription factor Dp-1, DRTF1-polypeptide 1, DRTF1, E2F dimerization partner 1, TFDP1, DP1
Dilution	WB~~1:1000 ICC~~N/A IHC-P~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	TFDP1
Synonyms	DP1
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 (PubMed: 7739537 , PubMed: 8405995). 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 {ECO:0000250 UniProtKB:Q08639}. Cytoplasm {ECO:0000250 UniProtKB:Q08639}. Note=Shuttles between the cytoplasm and nucleus and translocates into the nuclear compartment upon heterodimerization with E2F1. {ECO:0000250 UniProtKB:Q08639}
Tissue Location	Highest levels in muscle. Also expressed in brain, placenta, liver and kidney. Lower levels in lung and pancreas. Not detected in heart

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

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Bandara L.R.,et al.EMBO J. 13:3104-3114(1994).
Wu C.-L.,et al.Mol. Cell. Biol. 15:2536-2546(1995).

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