

# TFDP1 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI16198

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q14186</a>
<b>Other Accession</b>	<a href="#">NM_007111</a> , <a href="#">NP_009042</a>
<b>Reactivity</b>	Human, Mouse, Bovine
<b>Predicted</b>	Human, Mouse, Chicken, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	45070

## Additional Information

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<b>Gene ID</b>	7027
<b>Alias Symbol</b>	DP1, DRTF1, Dp-1
<b>Other Names</b>	Transcription factor Dp-1, DRTF1-polypeptide 1, DRTF1, E2F dimerization partner 1, TFDP1, DP1
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	Add 50 ul of distilled water. Final anti-TFDP1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
<b>Precautions</b>	TFDP1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	TFDP1
<b>Synonyms</b>	DP1
<b>Function</b>	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: <a href="#">7739537</a> , PubMed: <a href="#">8405995</a> ). 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: <a href="#">20176812</a> ).

<b>Cellular Location</b>	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}
<b>Tissue Location</b>	Highest levels in muscle. Also expressed in brain, placenta, liver and kidney. Lower levels in lung and pancreas. Not detected in heart

## Background

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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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Helin K.,et al.Genes Dev. 7:1850-1861(1993).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Dunham A.,et al.Nature 428:522-528(2004).  
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Bandara L.R.,et al.EMBO J. 13:3104-3114(1994).

## Images

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WB Suggested Anti-TFDP1 Antibody Titration: 0.2-1 µg/ml  
ELISA Titer: 1:62500  
Positive Control: MCF7 cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.