

**TFDP1 antibody - middle region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI16198****Specification**

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**TFDP1 antibody - middle region - Product Information**

|                   |                                                       |
|-------------------|-------------------------------------------------------|
| Application       | WB                                                    |
| Primary Accession | <a href="#">Q14186</a>                                |
| Other Accession   | <a href="#">NM_007111</a> , <a href="#">NP_009042</a> |
| Reactivity        | Human, Mouse, Bovine                                  |
| Predicted         | Human, Mouse, Chicken, Bovine                         |
| Host              | Rabbit                                                |
| Clonality         | Polyclonal                                            |
| Calculated MW     | 45kDa KDa                                             |

**TFDP1 antibody - middle region - Additional Information****Gene ID 7027**Alias Symbol **DP1, DRTF1, Dp-1****Other Names**

Transcription factor Dp-1, DRTF1-polypeptide 1, DRTF1, E2F dimerization partner 1, TFDP1, DP1

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

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.

**Precautions**

TFDP1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

**TFDP1 antibody - middle region - 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:<a href="http://www.uniprot.org/citations/7739537" target="\_blank">7739537</a>, PubMed:<a href="http://www.uniprot.org/citations/8405995" target="\_blank">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="http://www.uniprot.org/citations/8405995" target="\_blank">8405995</a>).

href="http://www.uniprot.org/citations/20176812" target="\_blank">20176812</a>).

**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}

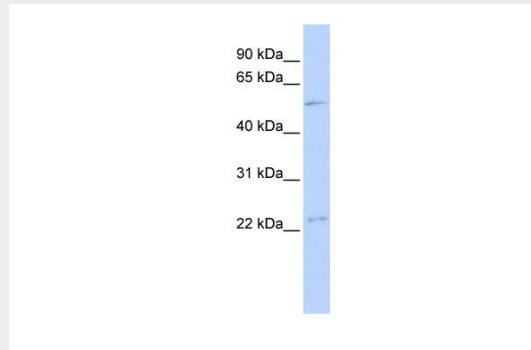
**Tissue Location**

Highest levels in muscle. Also expressed in brain, placenta, liver and kidney. Lower levels in lung and pancreas. Not detected in heart

**TFDP1 antibody - middle region - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**TFDP1 antibody - middle region - Images**

WB Suggested Anti-TFDP1 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:62500

Positive Control: MCF7 cell lysate

**TFDP1 antibody - middle region - 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.

**TFDP1 antibody - middle region - References**

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).