

# **TFDP1 Antibody**

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51554

### **Specification**

# **TFDP1 Antibody - Product Information**

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW

WB, ICC, IHC-P, E
O14186
Human, Mouse, Rat
Rabbit
Polyclonal
55 KDa

# **TFDP1** Antibody - Additional Information

#### **Gene ID 7027**

#### **Other Names**

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

# Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human TFDP1. The exact sequence is proprietary.

# **Dilution**

WB~~1:1000 ICC~~N/A IHC-P~~N/A E~~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

# **TFDP1 Antibody - 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/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 - 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

### **TFDP1 Antibody - Images**

### **TFDP1 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.

# **TFDP1 Antibody - References**

Helin K., et al. Genes Dev. 7:1850-1861(1993). 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). Wu C.-L., et al. Mol. Cell. Biol. 15:2536-2546(1995).