

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

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

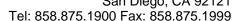
Function

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:8405995, PubMed:7739537). 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

TFDP1 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- 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).