

TFDP1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51554**Specification**

TFDP1 Antibody - Product Information

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

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: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

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 Cytometry](#)
- [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).