

KD-Validated Anti-Transcription Factor Dp-1 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1768**Specification****KD-Validated Anti-Transcription Factor Dp-1 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC
Primary Accession	Q14186
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 45 kDa , observed , 49 kDa KDa
Gene Name	TFDP1
Aliases	TFDP1; Transcription Factor Dp-1; DRTF1; DP1; Dp-1; DILC; Down-Regulated In Liver Cancer Stem Cells; E2F Dimerization Partner 1; DRTF1-Polypeptide 1; E2F-Related Transcription Factor
Immunogen	A synthesized peptide derived from human DP1

KD-Validated Anti-Transcription Factor Dp-1 Rabbit Monoclonal Antibody - Additional Information

Gene ID	7027
Other Names	
Transcription factor Dp-1, DRTF1-polypeptide 1, DRTF1, E2F dimerization partner 1, TFDP1, DP1	

KD-Validated Anti-Transcription Factor Dp-1 Rabbit Monoclonal 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

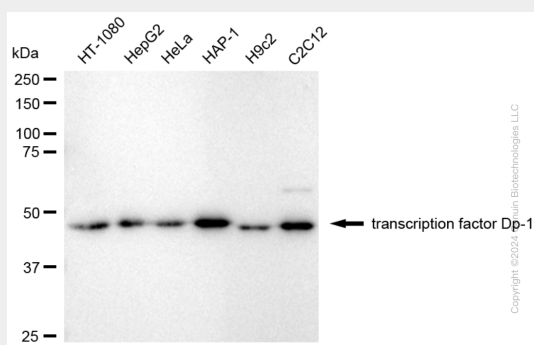
Highest levels in muscle. Also expressed in brain, placenta, liver and kidney. Lower levels in lung and pancreas. Not detected in heart

KD-Validated Anti-Transcription Factor Dp-1 Rabbit Monoclonal Antibody - Protocols

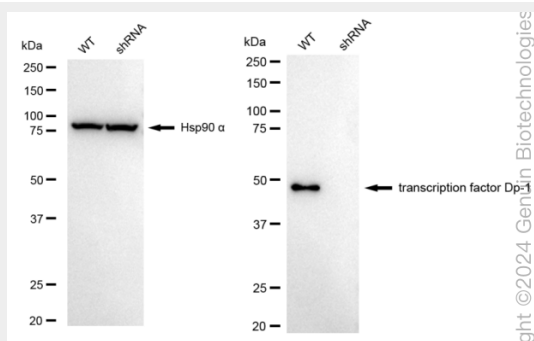
Provided below are standard protocols that you may find useful for product applications.

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

KD-Validated Anti-Transcription Factor Dp-1 Rabbit Monoclonal Antibody - Images

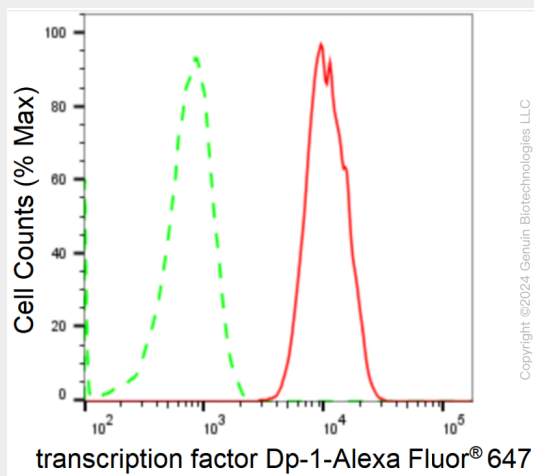


Western blotting analysis using anti-transcription factor Dp-1 antibody (Cat#62819). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-transcription factor Dp-1 antibody (Cat#62819, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



Western blotting analysis using anti-transcription factor Dp-1 antibody (Cat#62819). Transcription factor Dp-1 expression in wild-type (WT) and transcription factor Dp-1 (TFDP1) shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-transcription factor Dp-1 antibody (Cat#62819, 1:5,000)

and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).



Flow cytometric analysis of transcription factor Dp-1 expression in C2C12 cells using anti-transcription factor Dp-1 antibody (Cat#62819, 1:2,000). Green, isotype control; red, transcription factor Dp-1.