

TFDP2 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21655c**Specification**

TFDP2 Blocking Peptide (Center) - Product InformationPrimary Accession [Q14188](#)**TFDP2 Blocking Peptide (Center) - Additional Information****Gene ID** 7029**Other Names**

Transcription factor Dp-2, E2F dimerization partner 2, TFDP2, DP2

Target/Specificity

The synthetic peptide sequence is selected from aa 195-208 of HUMAN TFDP2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TFDP2 Blocking Peptide (Center) - Protein Information**Name** TFDP2**Synonyms** DP2**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. The TFDP2: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. Blocks adipocyte differentiation by repressing CEBPA binding to its target gene promoters (PubMed:20176812).

Cellular Location

Nucleus.

Tissue Location

High levels in heart and skeletal muscle. Also found in placenta, kidney, brain, lung and liver. The

presence as well as the abundance of the different transcripts appear to vary significantly in different tissues and cell lines

TFDP2 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

TFDP2 Blocking Peptide (Center) - Images

TFDP2 Blocking Peptide (Center) - 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.

TFDP2 Blocking Peptide (Center) - References

Wu C.-L.,et al.Mol. Cell. Biol. 15:2536-2546(1995).
Zhang Y.,et al.Oncogene 10:2085-2093(1995).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Li W.B.,et al.Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.
Muzny D.M.,et al.Nature 440:1194-1198(2006).