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E2F3 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP14598c

Specification

E2F3 Antibody (Center) Blocking Peptide - Product Information

Primary Accession O00716

E2F3 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 1871

Other Names
Transcription factor E2F3, E2F-3, E2F3, KIAA0075

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.

E2F3 Antibody (Center) Blocking Peptide - Protein Information

Name E2F3

Synonyms KIAA0075

Function
Transcription activator that binds DNA cooperatively with DP proteins 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 DRTF1/E2F complex functions in the control of cell-cycle progression from G1 to S phase. E2F3 binds specifically to RB1 in a cell-cycle dependent manner. Inhibits adipogenesis, probably through the repression of CEBPA binding to its target gene promoters (By similarity).

Cellular Location
Nucleus.

E2F3 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

E2F3 Antibody (Center) Blocking Peptide - Images

E2F3 Antibody (Center) Blocking Peptide - Background

The protein encoded by this gene is a member of the E2Ffamily of transcription factors. The E2F family plays a crucialrole in the control of cell cycle and action of tumor suppressorproteins and is also a target of the transforming proteins of smallDNA tumor viruses. The E2F proteins contain several evolutionallyconserved domains found in most members of the family. Thesedomains include a DNA binding domain, a dimerization domain whichdetermines interaction with the differentiation regulatedtranscription factor proteins (DP), a transactivation domainenriched in acidic amino acids, and a tumor suppressor proteinassociation domain which is embedded within the transactivationdomain. This protein and another 2 members, E2F1 and E2F2, have anadditional cyclin binding domain. This protein binds specificallyto retinoblastoma protein pRB in a cell-cycle dependent manner.

E2F3 Antibody (Center) Blocking Peptide - References

Revenko, A.S., et al. Mol. Cell. Biol. 30(22):5260-5272(2010)Biswas, S., et al. Proc. Natl. Acad. Sci. U.S.A. 107(15):6976-6981(2010)Martinez, L.A., et al. Mol. Cell. Biol. 30(2):524-536(2010)Cunningham, J.M., et al. Br. J. Cancer 101(8):1461-1468(2009)Madhavan, J., et al. Mol. Vis. 15, 235-240 (2009) :