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E2F2 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP10481c

Specification

E2F2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession	Q14209
Other Accession	NP_004082.1

E2F2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 1870

Other Names
Transcription factor E2F2, E2F-2, E2F2

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.

E2F2 Antibody (Center) Blocking Peptide - Protein Information

Name E2F2

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. E2F2 binds specifically to RB1 in a cell-cycle dependent manner.

Cellular Location
Nucleus.

Tissue Location
Highest level of expression is found in placenta, low levels are found in lung. Found as well in many immortalized cell lines derived from tumor samples

E2F2 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

E2F2 Antibody (Center) Blocking Peptide - Images

E2F2 Antibody (Center) Blocking Peptide - Background

E2F2 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 E2F3, have anadditional cyclin binding domain. This protein binds specificallyto retinoblastoma protein pRB in a cell-cycle dependent manner, andit exhibits overall 46% amino acid identity to E2F1. [provided byRefSeq].

E2F2 Antibody (Center) Blocking Peptide - References

Revenko, A.S., et al. Mol. Cell. Biol. 30(22):5260-5272(2010)Hayami, S., et al. Mol. Cancer 9, 59 (2010) :Chen, J., et al. Cancer Causes Control 20(9):1769-1777(2009)Cunningham, J.M., et al. Br. J. Cancer 101(8):1461-1468(2009)Lal, A., et al. Mol. Cell 35(5):610-625(2009)