

## E2F1 Control Peptide

<b>Alternate names:</b>	E2F transcription factor 1, E2F-1, PBR3, PRB-binding protein E2F-1, RBBP3, Retinoblastoma-associated protein 1, Retinoblastoma-binding protein 3, Transcription factor E2F1
<b>Catalog No.:</b>	AP14251CP-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1,0 mg/ml (after reconstitution)
<b>Background:</b>	E2F1 is a member of the E2F family of transcription factors. The E2F family plays a crucial role in the control of cell cycle and action of tumor suppressor proteins and is also a target of the transforming proteins of small DNA tumor viruses. The E2F proteins contain several evolutionally conserved domains found in most members of the family. These domains include a DNA binding domain, a dimerization domain which determines interaction with the differentiation regulated transcription factor proteins (DP), a transactivation domain enriched in acidic amino acids, and a tumor suppressor protein association domain which is embedded within the transactivation domain. This protein and another two members, E2F2 and E2F3, have an additional cyclin binding domain. This protein binds preferentially to retinoblastoma protein pRB in a cell-cycle dependent manner. It can mediate both cell proliferation and p53-dependent/independent apoptosis.
<b>Uniprot ID:</b>	<a href="#">Q01094</a>
<b>NCBI:</b>	<a href="#">NP_005216.1</a>
<b>GeneID:</b>	<a href="#">1869</a>
<b>Format:</b>	<b>State:</b> Lyophilized powder <b>Purification:</b> Lyophilized with 100% acetonitrile <b>Reconstitution:</b> Restore with 0.1 ml DI water
<b>Specificity:</b>	E2F1 Antibody Blocking Peptide
<b>Add. Information:</b>	<b>Molecular Weight:</b> 1649.21 Da. This peptide is for use with antibody AP14251PU-N only.
<b>Storage:</b>	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	O'Donnell, K.A., et al., Nature 435(7043):839-843 (2005). Wang, C., et al., J. Biol. Chem. 280(13):12339-12343 (2005). Joshi, B., et al., Oncogene 24(13):2204-2217 (2005). Saberwal, G., et al., Int. J. Hematol. 80(2):146-154 (2004). Chaussepied, M., et al., Mol. Cell 16(5):831-837 (2004).