

## Polyclonal Antibody to E2F1 - Aff - Purified

<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>	AP14251PU-N
<b>Quantity:</b>	0.4 ml
<b>Concentration:</b>	lot specific
<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="#">9606</a>
<b>GeneID:</b>	<a href="#">1869</a>
<b>Host / Isotype:</b>	Rabbit / Ig
<b>Immunogen:</b>	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide corresponding to amino acid residues surrounding S337 of human E2F1.
<b>Format:</b>	<b>State:</b> Liquid purified Ig <b>Purification:</b> Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS <b>Buffer System:</b> PBS with 0.09% (W/V) sodium azide
<b>Applications:</b>	ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts to E2F1. <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Store the antibody 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.

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

**General Readings:**

1. O'Donnell, K.A., et al., Nature 435(7043):839-843 (2005).
2. Wang, C., et al., J. Biol. Chem. 280(13):12339-12343 (2005).
3. Joshi, B., et al., Oncogene 24(13):2204-2217 (2005).
4. Saberwal, G., et al., Int. J. Hematol. 80(2):146-154 (2004).
5. Chaussepied, M., et al., Mol. Cell 16(5):831-837 (2004).

**Pictures:** Western blot analysis of anti-E2F1 Antibody in 293 cell line lysates (35ug/lane). E2F1 (arrow) was detected using the purified Pab (1:60dilution).

