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Datasheet

E2F1 polyclonal antibody

Catalog Number: PAB2072

Regulatory Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of E2F1.

Immunogen: A synthetic peptide (conjugated with KLH) corresponding to residues surrounding S332 of human E2F1.

Host: Rabbit

Reactivity: Human

Applications: WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Purification: Protein A purification

Recommend Usage: Western Blot (1:1000)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.09% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 1869

Gene Symbol: E2F1

Gene Alias: E2F-1, RBAP1, RBBP3, RBP3

Gene Summary: The protein encoded by this gene 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 2 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. [provided by RefSeq]

References:

1. c-Myc-regulated microRNAs modulate E2F1 expression. O'Donnell KA, Wentzel EA, Zeller KI, Dang CV, Mendell JT. Nature. 2005 Jun 9;435(7043):839-43.
2. Induction of human metallothionein 1G promoter by VEGF and heavy metals: differential involvement of E2F and metal transcription factors. Joshi B, Ordonez-Ercan D, Dasgupta P, Chellappan S. Oncogene. 2005 Mar 24;24(13):2204-17.
3. Activation of p27Kip1 Expression by E2F1. A negative feedback mechanism. Wang C, Hou X, Mohapatra S, Ma Y, Cress WD, Pledger WJ, Chen J. J Biol Chem. 2005 Apr 1;280(13):12339-43. Epub 2005 Feb 14.