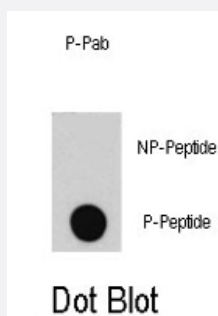


E2F1 (phospho S332) polyclonal antibody

Catalog # PAB1637 Size 400 uL

Applications



Dot Blot (Peptide)

Dot blot analysis of E2F1 (phospho S332) polyclonal antibody (Cat # PAB1637) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of E2F1.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S332 of human E2F1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	Dot Blot (1:500) 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.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Dot Blot (Peptide)

Dot blot analysis of E2F1 (phospho S332) polyclonal antibody (Cat # PAB1637) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed.

Gene Info — E2F1

Entrez GeneID [1869](#)

Protein Accession# [NP_005216:Q01094](#)

Gene Name E2F1

Gene Alias E2F-1, RBAP1, RBBP3, RBP3

Gene Description E2F transcription factor 1

Omim ID [189971](#)

Gene Ontology [Hyperlink](#)

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]

Other Designations OTTHUMP00000030661|retinoblastoma-associated protein 1

Publication Reference

- [c-Myc-regulated microRNAs modulate E2F1 expression.](#)

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Nature 2005 Jun; 435(7043):839.

- [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(13):2204.

- [Activation of p27Kip1 Expression by E2F1. A negative feedback mechanism.](#)

Wang C, Hou X, Mohapatra S, Ma Y, Cress WD, Pledger WJ, Chen J.

The Journal of Biological Chemistry 2005 Feb; 280(13):12339.

Pathway

- [Bladder cancer](#)
- [Cell cycle](#)
- [Chronic myeloid leukemia](#)
- [Glioma](#)
- [Melanoma](#)
- [Non-small cell lung cancer](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Small cell lung cancer](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)