10320 Camino Santa Fe, Suite G
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E2F1 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS14659

Specification

E2F1 Antibody (Internal) - Product Information

Application	**IHC**
Primary Accession	Q01094
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**47kDa KDa**

E2F1 Antibody (Internal) - Additional Information

Gene ID 1869

Other Names
Transcription factor E2F1, E2F-1, PBR3, Retinoblastoma-associated protein 1, RBAP-1, Retinoblastoma-binding protein 3, RBBP-3, pRB-binding protein E2F-1, E2F1, RBBP3

Target/Specificity
Human 47 kD E2F-1 acK120 and acK125

Reconstitution & Storage
Store lyophilized at -20°C for 2 years. Stable at 4°C for at least one month or for six months in aliquots at -20°C. Avoid freeze/thaw cycles.

Precautions
E2F1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

E2F1 Antibody (Internal) - Protein Information

Name E2F1 {ECO:0000303|PubMed:8964493, ECO:0000312|HGNC:HGNC:3113}

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 (PubMed:10675335, PubMed:12717439, PubMed:17704056, PubMed:17050006, PubMed:18625225, PubMed:28992046). The DRTF1/E2F complex functions in the control of cell-cycle progression from G1 to S phase (PubMed:10675335,

PubMed:12717439, PubMed:17704056). E2F1 binds preferentially RB1 in a cell-cycle dependent manner (PubMed:10675335, PubMed:12717439, PubMed:17704056). It can mediate both cell proliferation and TP53/p53- dependent apoptosis (PubMed:8170954). Blocks adipocyte differentiation by binding to specific promoters repressing CEBPA binding to its target gene promoters (PubMed:20176812). Directly activates transcription of PEG10 (PubMed:17050006, PubMed:18625225, PubMed:28992046). Positively regulates transcription of RRP1B (PubMed:20040599).

Cellular Location
Nucleus

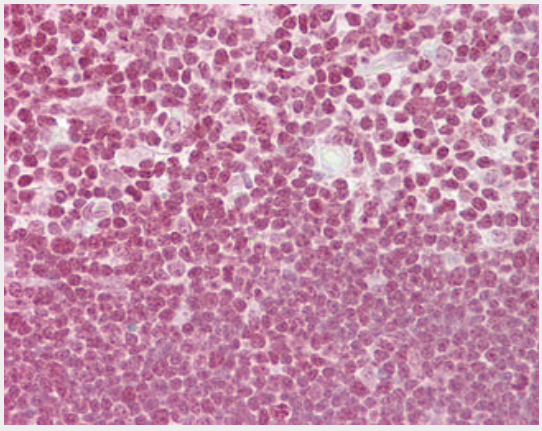
Volume
100 µl

E2F1 Antibody (Internal) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

E2F1 Antibody (Internal) - Images



Anti-E2F1 antibody IHC of human thymus.

E2F1 Antibody (Internal) - Background

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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. E2F1 binds preferentially RB1 in a cell-cycle dependent manner. It can mediate both cell proliferation and TP53/p53-dependent apoptosis.

E2F1 Antibody (Internal) - References

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Shan B.,et al.Mol. Cell. Biol. 12:5620-5631(1992).
Neuman E.,et al.Gene 173:163-169(1996).
Deloukas P.,et al.Nature 414:865-871(2001).