

E2F1 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS14659**Specification**

E2F1 Antibody (Internal) - Product Information

Application	IHC
Primary Accession	O01094
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:17050006, PubMed:17704056, 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

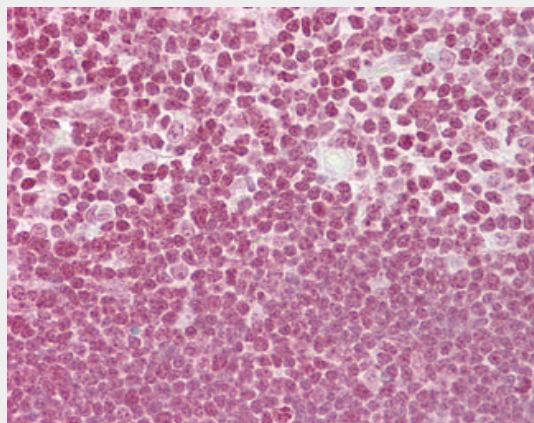
100 µl

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 Cytometry](#)
- [Cell Culture](#)

E2F1 Antibody (Internal) - Images



Anti-E2F1 antibody IHC of human thymus.

E2F1 Antibody (Internal) - Background

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

Helin K.,et al.Cell 70:337-350(1992).
Kaelin W.G. Jr.,et al.Cell 70:351-364(1992).
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).