10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Transcription factor E2F1 (aa314-327) Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF4033a

Specification

Transcription factor E2F1 (aa314-327) Antibody (internal region) - Product Information

Application	**WB**
Primary Accession	Q01094
Other Accession	NP_005216.1, 1869
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**46920**

Transcription factor E2F1 (aa314-327) Antibody (internal region) - 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

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Transcription factor E2F1 (aa314-327) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Transcription factor E2F1 (aa314-327) Antibody (internal region) - 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:<a

href="http://www.uniprot.org/citations/17050006" target="_blank">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

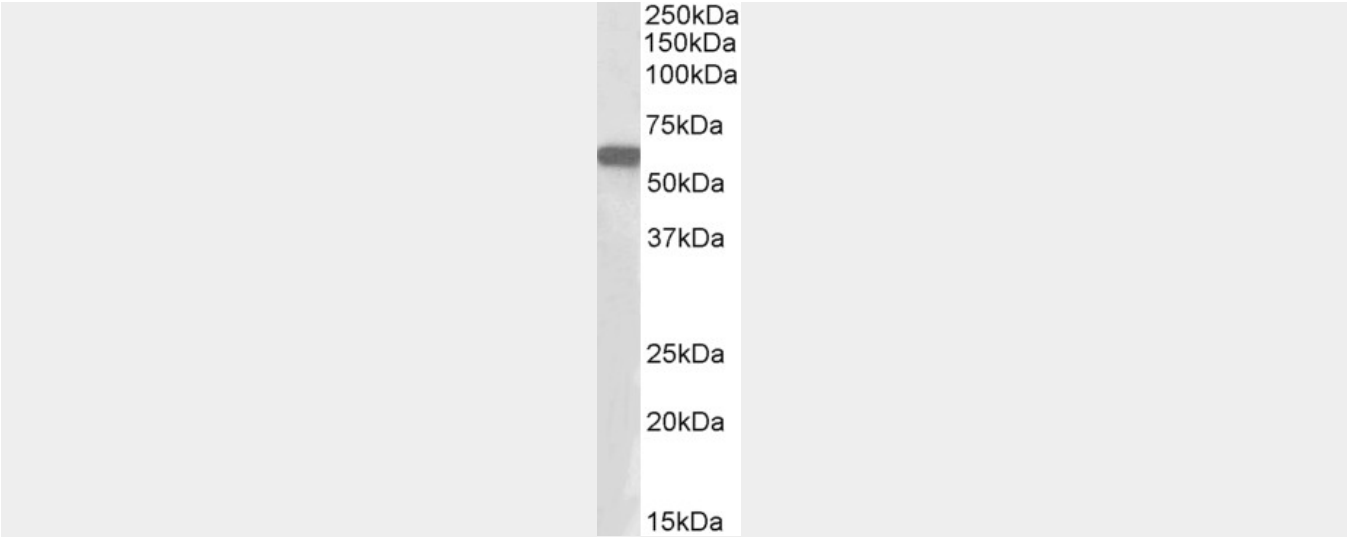
Transcription factor E2F1 (aa314-327) Antibody (internal region) - Protocols

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

Transcription factor E2F1 (aa314-327) Antibody (internal region) - Images

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



AF4033a (1 µg/ml) staining of HeLa nuclear lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Transcription factor E2F1 (aa314-327) Antibody (internal region) - References

c-Myc and E2F1 drive PBK/TOPK expression in high-grade malignant lymphomas. Hu F, Gartenhaus RB, Zhao XF, Fang HB, Minkove S, Poss DE, Rapoport AP. Leukemia research 2013 Apr 37 (4): 447-54. PMID: 23237560