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E2F-1 (phospho Thr433) Polyclonal Antibody

Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms E2F1; RBBP3; Transcription factor E2F1; E2F-1; PBR3; Retinoblastoma-associated protein 1; RBAP-1; Retinoblastoma-binding protein 3; RBBP-3; pRB-binding protein E2F-1 Observed Band 60kD Cell Pathway Nucleus . Tissue Specificity Brain,Epithelium,Pancreas,Skin,		
Reactivity Human;Mouse Applications WB;ELISA Gene Name E2F1 Protein Name Transcription factor E2F1 Immunogen The antiserum was produced against synthesized peptide derived from human E2F1 around the phosphorylation site of Thr433. AA range:388-437 Specificity Phospho-E2F-1 (T433) Polyclonal Antibody detects endogenous levels of E2F-1 protein only when phosphorylated at T433. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications. Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms E2F1; RBBP3; Transcription factor E2F1; E2F-1; PBR3; Retinoblastoma-associated protein 1; RBAP-1; Retinoblastoma-binding protein 3; RBBP-3; pRB-binding protein E2F-1 Observed Band 60kD Cell Pathway Nucleus. Tissue Specificity Brain, Epithelium, Pancreas, Skin, function: Transcription activator that binds DNA cooperatively with dp proteins through the E2 recognition site, 5-TTTC[CG]CGC-3* found in the promoter of a number of genes whose products are involved in cell cycle requiation or in DNA replication. The DRTF1/E2F complex functions in the control of cell-cycle progression from G1 to S phase. E2F-1 binds preferentially RB1 protein, in a cell-cycle dependent appotosis. PTM: Phosphonylated by CDR2 and cyclin A-CDN2 in the S-phase, similarity, Belongs to the E2F/DP family, subunit: Component of the DRTF1/E2F complex binds specifically hypophosphorylated retinoblastoma protein RB1. During the cell cycle. RB1 becomes phosphorylated retinoblastoma protein RB1. During the cell cycle. RB1 becomes phosphorylated	Catalog No	YP-Ab-01290
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Background

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 media

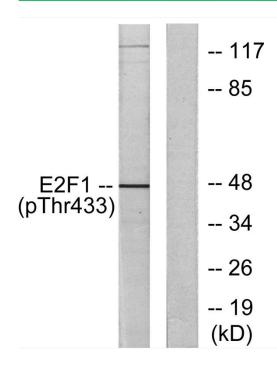
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from HeLa cells treated with Etoposide 25uM 24h, using E2F1 (Phospho-Thr433) Antibody. The lane on the right is blocked with the phospho peptide.