

E2F-4 (Acetyl Lys96) Polyclonal Antibody

Catalog No: YK0025

Reactivity: Human; Mouse; Rat

Applications: WB;ELISA

Target: E2F-4

Fields: >>Cell cycle;>>Cellular senescence;>>TGF-beta signaling pathway

Gene Name: E2F4

Protein Name: Transcription factor E2F4

Q16254

Q8R0K9

Human Gene Id: 1874

Human Swiss Prot

Human Swiss Fro

No:

Mouse Gene Id: 104394

Mouse Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized Acetyl-peptide derived from

human E2F4 around the Acetylation site of Lys96. AA range:61-110

Specificity: Acetyl-E2F-4 (K96) Polyclonal Antibody detects endogenous levels of E2F-4

protein only when acetylated at K96.

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

1/3



Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 43kD

Cell Pathway : Cell_Cycle_G1S;Cell_Cycle_G2M_DNA;TGF-beta;

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 binds to all three of the tumor suppressor proteins pRB, p107 and p130,

but with higher affinity to the last two. It plays an important role in the suppression

of proliferation-associated ge

Function: developmental stage:Present in the growth-arrested state, its abundance does

not change significantly as cells move into and through the cell

cycle.,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. The DRTF1/E2F complex functions in the control of cell-cycle progression from G1 to S phase. E2F-4 binds with high affinity to RBL1 and RBL2. In some instances, can also bind RB protein.,polymorphism:The poly-Ser region of E2F4 is polymorphic and the number of Ser varies in the

population (from 8 to 17). The variation might be associated with

tumorigenesis.,PTM:Differentially phosphorylated in vivo.,similarity:Belongs to the

E2F/DP family..subunit:Component of the DRTF1/E2F transcription fa

Subcellular Location:

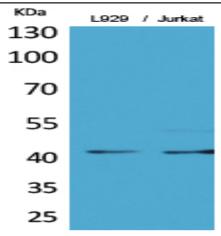
Nucleus.

Expression:

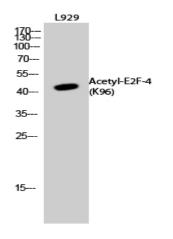
Found in all tissue examined including heart, brain, placenta, lung, liver, skeletal

muscle, kidney and pancreas.

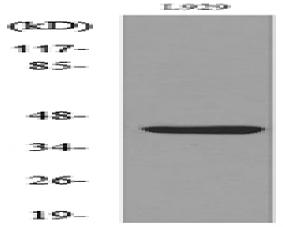
Products Images



Western Blot analysis of L929, Jurkat cells using Acetyl-E2F-4 (K96) Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western Blot analysis of L929 cells using Acetyl-E2F-4 (K96) Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysate from L929 cells, using E2F4 (Acetyl-Lys96) Antibody.