

AP06091PU-N**Polyclonal Antibody to E2F4/E2F5 - Aff - Purified****Alternate names:**

E2F-4, E2F-5, Transcription Factor E2F4, Transcription Factor E2F5

Quantity:

0.1 mg

Concentration:

1.0 mg/ml

Background:

The human retinoblastoma gene product appears to play an important role in the negative regulation of cell proliferation. Functional inactivation of Rb can be mediated either through mutation or as a consequence of interaction with DNA tumor virus encoded proteins. Of all the Rb associations described to date, the identification of a complex between Rb and the transcription factor E2F most directly implicates Rb in regulation of cell proliferation. E2F was originally identified through its role in transcriptional activation of the adenovirus E2 promoter. Sequences homologous to the E2F binding site have been found upstream of a number of genes that encode proteins with putative functions in the G1 and S phases of the cell cycle. E2F-1 is a member of a broader family of transcriptional regulators including E2F-2, E2F-3, E2F-4, E2F-5 and E2F-6, each of which forms heterodimers with a second protein, DP-1, forming an "active" E2F transcriptional regulatory complex.

Host / Isotype:

Rabbit / IgG

Immunogen:

Synthetic peptide, corresponding to amino acids 18-72 of Human E2F4.

Format:**State:** Liquid purified Ig fraction**Purification:** Affinity chromatography using epitope-specific immunogen (> 95% pure by SDS-PAGE)**Buffer System:** Phosphate buffered saline (PBS), pH 7.2.**Preservatives:** 0.05% Sodium azide**Applications:****Immunohistochemistry on Paraffin sections:** 1/50-1/200.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Molecular Weight:

~44 kDa

Specificity:

This antibody detects endogenous levels of E2F4 / E2F5 protein (region surrounding Leu50/83).

Species Reactivity:**Tested:** Human.**Expected from sequence similarity:** Mouse and Rat.**Storage:**

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:

Immunohistochemical analysis in paraffin-embedded human lung carcinoma tissue using E2F4 / E2F5 antibody (Cat.-No. AP06091PU-N).

