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Product datasheet for AP20621PU-N

E2F5 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	**Western blot**: 1/500 - 1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of E2F-5 protein. (region surrounding Leu142)
Formulation:	Phosphate buffered saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen; purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 36 kDa
Gene Name:	E2F transcription factor 5
Database Link:	Entrez Gene 13559 MouseEntrez Gene 116651 RatEntrez Gene 1875 Human Q15329

View online »

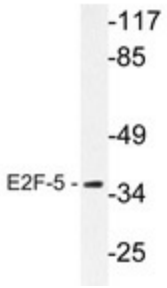
Background: The human retinoblastoma gene product appears to play an important role in the negative regulation of cell proliferation. Functional inactivation of Rb can be mediated either through mutation or as a consequence of interaction with DNA tumor virus encoded proteins. Of all the Rb associations 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 transcription 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.

Synonyms: E2F-5

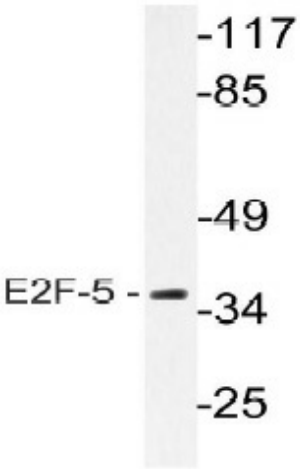
Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Cell cycle, TGF-beta signaling pathway

Product images:



Western blot analysis of E2F-5 antibody (Cat.-No.: AP20621PU-N) in extracts from HeLa cells.



Western blot analysis of E2F5 Antibody (Cat.-No AP20621PU-N) in extracts from HeLa cells.