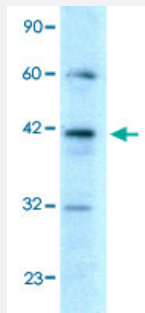


E2F4 polyclonal antibody

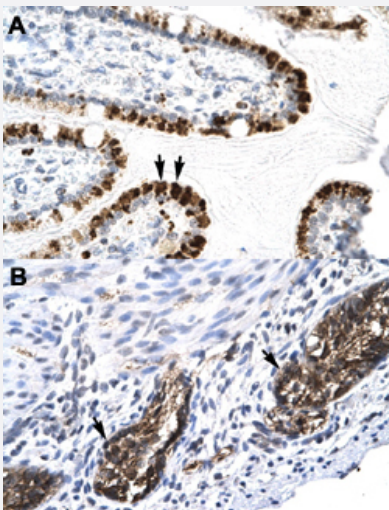
Catalog # PAB30041 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of HepG2 cell lysate with E2F4 polyclonal antibody (Cat # PAB30041) at 0.2-1 ug/mL working concentration.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human intestine (A) and human stomach (B) with E2F4 polyclonal antibody (Cat # PAB30041) at 4-8 ug/mL working concentration.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of human E2F4.
Immunogen	A synthetic peptide corresponding to C-terminus of human E2F4.
Sequence	SSELLEELMSSEVFAPLLRLSPPPGDHDYINLDESEGVCDFDVPVLNL
Host	Rabbit

Theoretical MW (kDa)	44
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (4-8 ug/mL) Western Blot (0.2-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (2% sucrose, 0.09% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — E2F4

Entrez GeneID	1874
GeneBank Accession#	NM_001950
Protein Accession#	NP_001941:Q16254
Gene Name	E2F4
Gene Alias	E2F-4
Gene Description	E2F transcription factor 4, p107/p130-binding
Omim ID	600659

Gene Ontology

[Hyperlink](#)

Gene Summary

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 genes, and its gene mutation and increased expression may be associated with human cancer. [provided by RefSeq]

Other Designations

E2F transcription factor 4|p107/p130-binding protein

Pathway

- [Cell cycle](#)
- [TGF-beta signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)