

E2F5 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9003a**Specification**

E2F5 Antibody (N-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	Q15329
Other Accession	Q62814 , Q61502 , Q6DE14 , Q8R0K9 , Q16254
Reactivity	Human
Predicted	Mouse, Xenopus, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	66-93

E2F5 Antibody (N-term) - Additional Information**Gene ID** 1875**Other Names**

Transcription factor E2F5, E2F-5, E2F5

Target/Specificity

This E2F5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 66-93 amino acids from the N-terminal region of human E2F5.

Dilution

WB~~1:2000
IHC-P~~1:50~100
FC~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

E2F5 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

E2F5 Antibody (N-term) - Protein Information**Name** E2F5

Function Transcriptional activator that binds to E2F sites, these sites are present in the promoter of many genes whose products are involved in cell proliferation. May mediate growth factor-initiated signal transduction. It is likely involved in the early responses of resting cells to growth factor stimulation. Specifically required for multiciliate cell differentiation: together with MCIDAS and E2F5, binds and activate genes required for centriole biogenesis.

Cellular Location

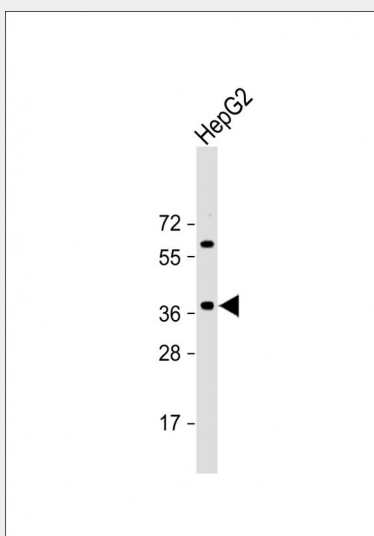
Nucleus.

E2F5 Antibody (N-term) - Protocols

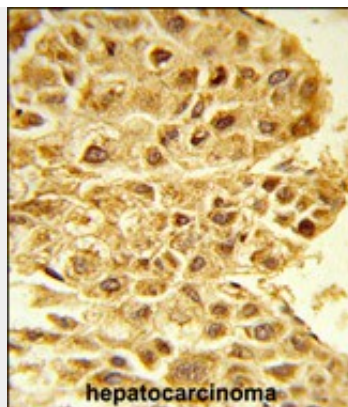
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

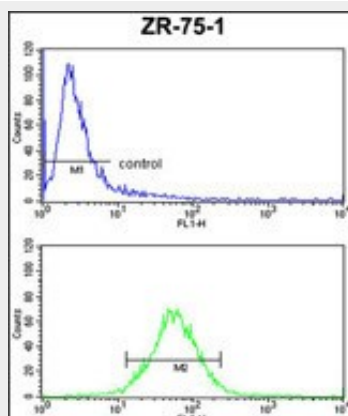
E2F5 Antibody (N-term) - Images



Anti-E2F5 Antibody (N-term) at 1:2000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 38 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with E2F5 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



E2F5 Antibody (N-term) (Cat.#AP9003a) FC analysis of ZR-75-1 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

E2F5 Antibody (N-term) - Background

E2F5 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 evolutionarily conserved domains that are present 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 is differentially phosphorylated and is expressed in a wide variety of human tissues. It has higher identity to E2F4 than to other family members. Both this protein and E2F4 interact with tumor suppressor proteins p130 and p107, but not with pRB.

E2F5 Antibody (N-term) - References

Itoh,A., et.al., Cell. Mol. Biol. Res. 41 (3), 147-154 (1995)

E2F5 Antibody (N-term) - Citations

- [Sj7170, a unique dual-function peptide with a specific \$\alpha\$ -chymotrypsin inhibitory activity and a potent tumor-activating effect from scorpion venom.](#)