

E2F-2 Rabbit pAb

CatalogNo: YT1443

Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, IHC, IF, ELISA

MW

- 48kD (Observed)

Isotype

- IgG

Storage

Storage*

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

Formulation

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

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

ELISA 1:40000

IF 1:50-200

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

The antiserum was produced against synthesized peptide derived from human E2F2. AA range: 221-270

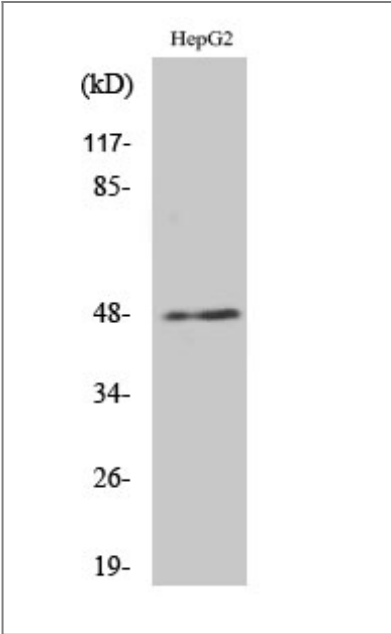
Specificity

E2F-2 Polyclonal Antibody detects endogenous levels of E2F-2 protein.

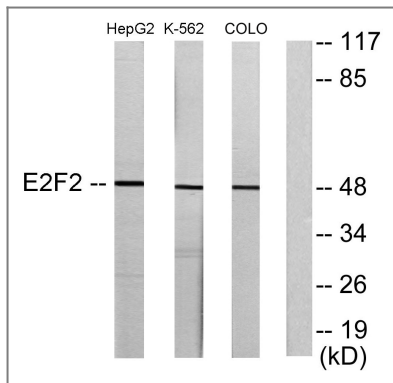
Target Information

Gene name	E2F2		
Protein Name	Transcription factor E2F2		
	Organism	Gene ID	UniProt ID
	Human	1870 ;	Q14209 ;
	Mouse	242705 ;	P56931 ;
Cellular Localization	Nucleus.		
Tissue specificity	Highest level of expression is found in placenta, low levels are found in lung. Found as well in many immortalized cell lines derived from tumor samples.		
Function	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-2 binds specifically to RB1 protein, in a cell-cycle dependent manner.,PTM:Phosphorylated by CDK2 and cyclin A-CDK2 in the S-phase.,similarity:Belongs to the E2F/DP family.,subunit:Component of the DRTF1/E2F transcription factor complex. Forms heterodimers with DP family members. The E2F-2 complex binds specifically hypophosphorylated retinoblastoma protein RB1. During the cell cycle, RB1 becomes phosphorylated in mid-to-late G1 phase, detaches from the DRTF1/E2F complex, rendering E2F transcriptionally active. Viral oncoproteins, notably E1A, T-antigen and HPV E7, are capable of sequestering RB protein, thus releasing the active complex. Binds EAPP.,tissue specificity:Highest level of expression is found in placenta, low levels are found in lung. Found as well in many immortalized cell lines derived from tumor samples.,		

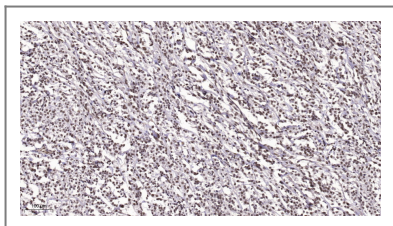
| Validation Data



Western Blot analysis of various cells using E2F-2 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Western blot analysis of lysates from HepG2, K562, and COLO205 cells, using E2F2 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Small intestinal stromal tumor. 1, Tris-EDTA, pH 9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200 (4°C overnight). 3, Secondary antibody was diluted at 1:200 (room temperature, 45min).

Contact information

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Please scan the QR code to access additional product information:
E2F-2 Rabbit pAb

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