

For Research Use Only

# E2F4 Polyclonal antibody

Catalog Number: 10923-1-AP

Featured Product

15 Publications



## Basic Information

### Catalog Number:

10923-1-AP

### Concentration:

600 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1365

### GenBank Accession Number:

BC033180

### GeneID (NCBI):

1874

### UNIPROT ID:

Q16254

### Full Name:

E2F transcription factor 4, p107/p130-binding

### Calculated MW:

44 kDa

### Observed MW:

60-70 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IHC, IF, IP, ChIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rabbit

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB: A431 cells, Jurkat cells, HL-60 cells, Raji cells, HeLa cells, NIH/3T3 cells

IP: mouse brain tissue,

IHC: human lymphoma tissue,

## Background Information

Transcription factor E2F4 (E2F4) is a 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-4 binds with high affinity to RBL1 and RBL2. In some instances, can also bind RB protein. The observed molecular weight of 60-70 kDa is the phosphorylation of E2F4 protein.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yinghui Wang	34601503	Cell Death Dis	WB
Xiwen Zhang	29987913	J Cell Physiol	WB, IHC
Yuting Wang	35023014	Protein Cell	WB, ChIP

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

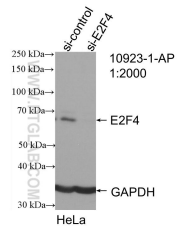
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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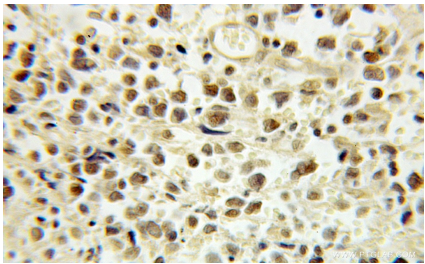
Selected Validation Data



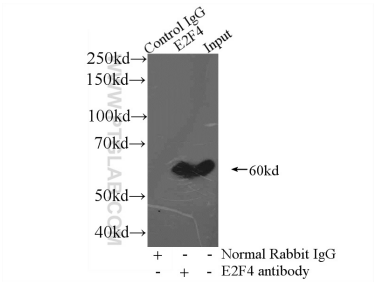
WB result of E2F4 antibody (10923-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-E2F4 transfected HeLa cells.



A431 cells were subjected to SDS PAGE followed by western blot with 10923-1-AP (E2F4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lymphoma using 10923-1-AP (E2F4 antibody) at dilution of 1:100 (under 10x lens).



IP result of anti-E2F4 (IP:10923-1-AP, 3ug; Detection:10923-1-AP 1:1000) with mouse brain tissue lysate 3600ug.