

For Research Use Only

# E2F4 Monoclonal antibody

Catalog Number: 67812-1-Ig

Featured Product

2 Publications



## Basic Information

Catalog Number:

67812-1-Ig

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28533

GenBank Accession Number:

BC033180

GeneID (NCBI):

1874

UNIPROT ID:

Q16254

Full Name:

E2F transcription factor 4, p107/p130-binding

Calculated MW:

44 kDa

Purification Method:

Protein G purification

CloneNo.:

2D1E1

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF, IP, ColP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: LNCaP cells, HSC-T6 cells, RKO cells, PC-12 cells, NIH/3T3 cells, 4T1 cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, FaDu cells, SiHa cells

## 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
Zhenwei Ma	39239750	Int J Oncol	WB, IF, ColP
Ngoc Tung Tran	39043964	Leukemia	WB, IP

## Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

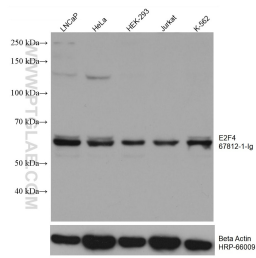
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

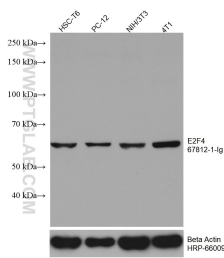
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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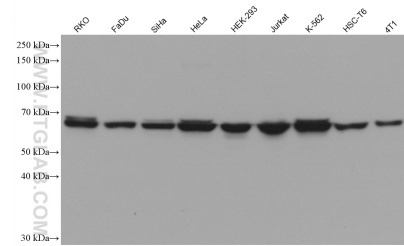
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67812-1-Ig (E2F4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



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