For Research Use Only

E2F1 Monoclonal antibody, PBS Only

Catalog Number:66515-1-PBS Featured Product

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Basic Information

Catalog Number:
66515-1-PBS

Size:
100ug , Concentration: 1mg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG17363

GenBank Accession Number:
BC050369

GeneID (NCBI):
1869

UNIPROT ID:
Q01094

Full Name:
E2F transcription factor 1

Calculated MW:
437 aa, 47 kDa

Observed MW:
55-60 kDa

Purification Method:
Protein A purification

CloneNo.:
5D7G8

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, rat

Background Information

Transcription factor E2F1 (E2F1), also known as RBBP3, 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-1 binds preferentially RB1 protein, in a cell-cycle dependent manner. It can mediate both cell proliferation and p53-dependent apoptosis. The calculated molecular weight of E2F1 is 47 kDa, but the sumoylated E2F1 is bout 55-60 kDa.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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
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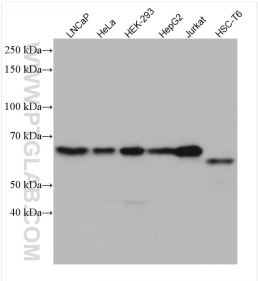
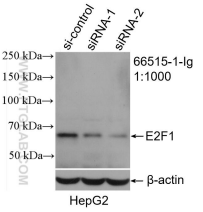
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66515-1-Ig (E2F1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66515-1-PBS in a different storage buffer formulation.



WB result of E2F1 antibody (66515-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-E2F1 transfected HepG2 cells. This data was developed using the same antibody clone with 66515-1-PBS in a different storage buffer formulation.