For Research Use Only

# E2F8 Recombinant monoclonal antibody, PBS Only

Catalog Number:86645-1-PBS

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## Basic Information

Catalog Number:
86645-1-PBS

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG4216

GenBank Accession Number:
BC028244

GeneID (NCBI):
79733

UNIPROT ID:
A0AVK6

Full Name:
E2F transcription factor 8

Calculated MW:
867 aa, 94 kDa

Observed MW:
105 kDa

Purification Method:
Protein A purification

CloneNo.:
251510C2

## Applications

Tested Applications:
WB, IP, Indirect ELISA

Species Specificity:
human

## Background Information

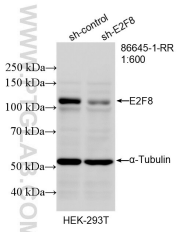
E2F8 is one E2F transcription factor that is essential for orchestrating expression of genes required for cell cycle progression, proliferation, apoptosis and differentiation. E2F8 shows a high degree of resemblance to E2F7 and shares the unique structure of E2F7 by having two distinct domains exhibiting a high degree of similarity to the DNA-binding domain of the E2F familyTogether with E2F7, they possess two DNA-binding domains that are predicted to interact with each other. E2F8 binds consensus E2F sites in a DP-independent manner and represses transcription of E2F-regulated promoters. Ectopic expression of E2F8 inhibits cellular proliferation. The calcualted molecular weight of E2F8 is 94 kDa, but modified E2F8 is about 105 kDa. (PMID: 15897886)

## Storage

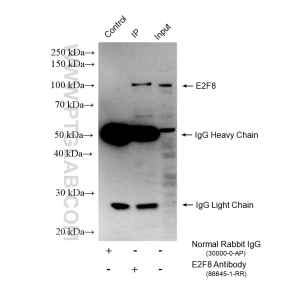
Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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
W: ptglab.com

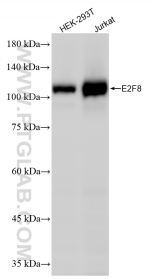
## Selected Validation Data



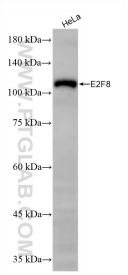

WB result of E2F8 antibody (86645-1-RR; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-E2F8 transfected HEK-293T cells. This data was developed using the same antibody clone with 86645-1-PBS in a different storage buffer formulation.



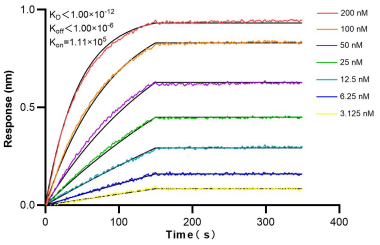

IP result of anti-E2F8 (IP:86645-1-RR, 4ug; Detection:86645-1-RR 1:600) with HeLa cells lysate 1120 ug. This data was developed using the same antibody clone with 86645-1-PBS in a different storage buffer formulation.




Various lysates were subjected to SDS PAGE followed by western blot with 86645-1-RR (E2F8 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86645-1-PBS in a different storage buffer formulation.




HeLa cells were subjected to SDS PAGE followed by western blot with 86645-1-RR (E2F8 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86645-1-PBS in a different storage buffer formulation.




Biolayer interferometry (BLI) kinetic assays of 86645-1-RR against Human E2F8 were performed. The affinity constant is below 1 pM.