

For Research Use Only

# E2F8 Recombinant monoclonal antibody, PBS Only

Catalog Number:86645-1-PBS



## Basic Information

<b>Catalog Number:</b> 86645-1-PBS	<b>GenBank Accession Number:</b> BC028244	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 79733	<b>CloneNo.:</b> 251510C2
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> A0AVK6	
<b>Immunogen Catalog Number:</b> AG4216	<b>Full Name:</b> E2F transcription factor 8	
	<b>Calculated MW:</b> 867 aa, 94 kDa	
	<b>Observed MW:</b> 105 kDa	

## 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 family. Together 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 calculated molecular weight of E2F8 is 94 kDa, but modified E2F8 is about 105 kDa. (PMID: 15897886)

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**  
**Storage Buffer:**  
PBS only, pH7.3

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

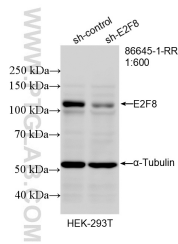
T: 4006900926

E: Proteintech-CN@ptglab.com

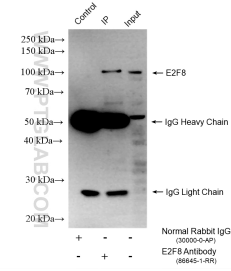
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

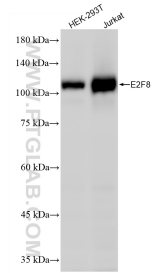
## Selected Validation Data



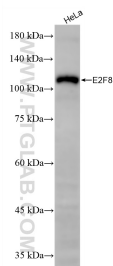
WB result of E2F8 antibody (86645-1-RR; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-E2F8 transfected HEK-293T cells. This data was developed using the same antibody clone with 86645-1-PBS in a different storage buffer formulation.



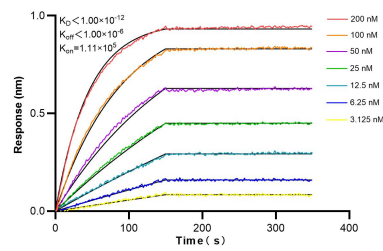
IP result of anti-E2F8 (IP:86645-1-RR, 4ug; Detection:86645-1-RR 1:600) with HeLa cells lysate 1120 ug. This data was developed using the same antibody clone with 86645-1-PBS in a different storage buffer formulation.



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.