

For Research Use Only

E2F8 Recombinant monoclonal antibody

Catalog Number: 86645-1-RR



Basic Information

Catalog Number: 86645-1-RR	GenBank Accession Number: BC028244	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 79733	CloneNo.: 251510C2
Isotype: IgG	UNIPROT ID: A0AVK6	Recommended Dilutions: WB: 1:1000-1:4000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Immunogen Catalog Number: AG4216	Full Name: E2F transcription factor 8	
	Calculated MW: 867 aa, 94 kDa	
	Observed MW: 105 kDa	

Applications

Tested Applications: WB, IP, ELISA	Positive Controls:
Species Specificity: human	WB : HeLa cells, HEK-293T cells, Jurkat cells IP : HeLa cells,

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 -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:

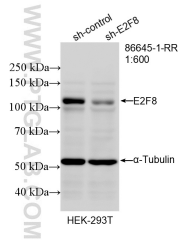
T: 4006900926

E: Proteintech-CN@ptglab.com

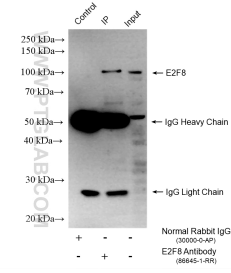
W: ptgcn.com

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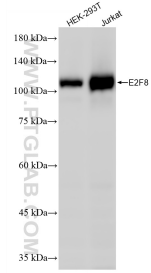
Selected Validation Data



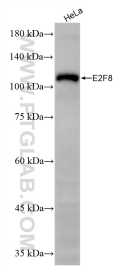
WB result of E2F8 antibody (86645-1-RR; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-E2F8 transfected HEK-293T cells.



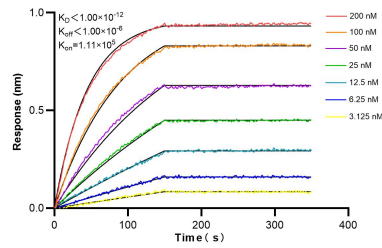
IP result of anti-E2F8 (IP:86645-1-RR, 4ug; Detection:86645-1-RR 1:600) with HeLa cells lysate 1120 ug.



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.



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.



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