For Research Use Only

E2F8 Polyclonal antibody

Catalog Number:13425-1-AP 5 Publications

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Basic Information

Catalog Number:
13425-1-AP

Size:
500 μg/ml

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:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:
IP, WB,ELISA

Cited Applications:
WB, ChIP

Species Specificity:
human

Cited Species:
human, goat

Positive Controls:

WB : HeLa cells, HEK-293 cells

IP : HEK-293 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 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)

Notable Publications

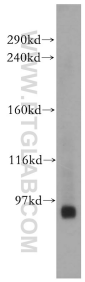
Author	Pubmed ID	Journal	Application
Xiangling Feng	35088582	Adv Sci (Weinh)	WB,ChIP
Yinan Chen	29341117	Int J Cancer	WB
Zhimin Wang	38388551	Cell Death Discov	WB

Storage

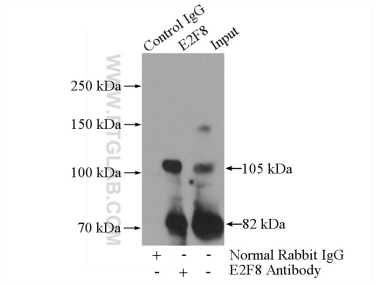
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 13425-1-AP (E2F8 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-E2F8 (IP:13425-1-AP, 4ug; Detection:13425-1-AP 1:500) with HEK-293 cells lysate 2800ug.