

For Research Use Only

# E2F3 Polyclonal antibody

Catalog Number: 12334-1-AP **4 Publications**



## Basic Information

<b>Catalog Number:</b> 12334-1-AP	<b>GenBank Accession Number:</b> BC016847	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 133 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1871	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O00716	
<b>Isotype:</b> IgG	<b>Full Name:</b> E2F transcription factor 3	
<b>Immunogen Catalog Number:</b> AG3039	<b>Calculated MW:</b> 133 aa, 15 kDa	
	<b>Observed MW:</b> 52 kDa	

## Applications

<b>Tested Applications:</b> WB, IP, ELISA	<b>Positive Controls:</b> WB : Y79 cells, HEK-293 cells, HepG2 cells, mouse liver tissue IP : mouse liver tissue,
<b>Cited Applications:</b> WB, IHC	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse	

## Background Information

E2F transcription factors regulate gene expression in concert with the retinoblastoma tumor suppressor family. These transcriptional complexes are master regulators of cell cycle progression, control the expression of genes involved in DNA repair, G2/M checkpoint and differentiation [PMID:22580460]. E2f3 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. E2F3 binds specifically to RB1 in a cell-cycle dependent manner [PMID:22960857].

## Notable Publications

Author	Pubmed ID	Journal	Application
Boshi Wang	26510456	Nat Commun	WB, IHC
Dacai Xu	26500101	Mol Med Rep	WB
Dacai Xu	26648285	Mol Med Rep	WB

## Storage

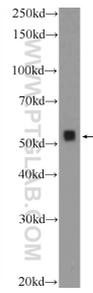
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

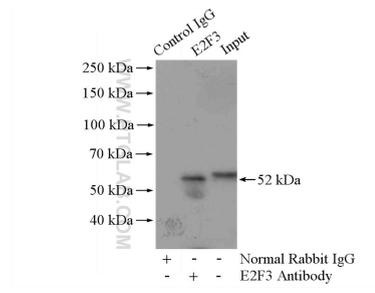
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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## Selected Validation Data



Y79 cells were subjected to SDS PAGE followed by western blot with 12334-1-AP (E2F3 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-E2F3 (IP:12334-1-AP, 4ug; Detection:12334-1-AP 1:500) with mouse liver tissue lysate 4000ug.