

For Research Use Only

# E2F1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87313-3-PBS



## Basic Information

<b>Catalog Number:</b> 87313-3-PBS	<b>GenBank Accession Number:</b> BC050369	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1869	<b>CloneNo.:</b> 252660D5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q01094	
<b>Isotype:</b> IgG	<b>Full Name:</b> E2F transcription factor 1	
<b>Immunogen Catalog Number:</b> AG17363	<b>Calculated MW:</b> 437 aa, 47 kDa	
	<b>Observed MW:</b> 55-60 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse

## Background Information

Transcription factor E2F1 (E2F1), also known as RBBP3, 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. E2F-1 binds preferentially RB1 protein, in a cell-cycle dependent manner. It can mediate both cell proliferation and p53-dependent apoptosis. The sumoylated E2F1 is about 55-60 kDa.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

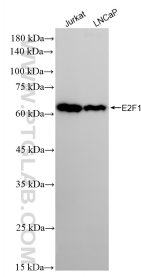
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87313-3-RR (E2F1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87313-3-PBS in a different storage buffer formulation.