

For Research Use Only

# HBP1 Recombinant monoclonal antibody

Catalog Number:87616-1-RR



## Basic Information

<b>Catalog Number:</b> 87616-1-RR	<b>GenBank Accession Number:</b> BC022329	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 26959	<b>CloneNo.:</b> 252869A10
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> O60381	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Immunogen Catalog Number:</b> AG34576	<b>Full Name:</b> HMG-box transcription factor 1	
	<b>Calculated MW:</b> 514 aa, 58 kDa	
	<b>Observed MW:</b> 58-70 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HepG2 cells, NIH/3T3 cells, SGC-7901 cells
<b>Species Specificity:</b> human, mouse	

## Background Information

HMG-box protein 1 (HBP1) is a transcriptional repressor, and has a role in cell cycle progression and tumor suppression. Also it's a repressor of the cyclin D1 gene and inhibits the Wnt signaling pathway. Interaction with RB1 enhances it's binding to the H1FO promoter . Disrupts the interaction between DNA and TCF4.

## 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

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87616-1-RR (HBP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.