

For Research Use Only

# Phospho-YBX1 (Ser102) Recombinant monoclonal antibody

Catalog Number:84993-5-RR



## Basic Information

Catalog Number:

84993-5-RR

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC010430

GeneID (NCBI):

4904

UNIPROT ID:

P67809

Full Name:

Y box binding protein 1

Calculated MW:

324 aa, 36 kDa

Observed MW:

49 kDa

Purification Method:

Protein A purification

CloneNo.:

242449G4

Recommended Dilutions:

WB: 1:1000-1:4000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : MCF-7 cells,

## Background Information

YBX1, also known as Y-box binding protein 1, is a multifunctional DNA- and RNA-binding protein and transcription factor that plays a crucial role in various cellular processes, including gene expression, RNA metabolism, and cellular stress response. The phosphorylation of YBX1 at serine 102 (Ser102) is a key post-translational modification that significantly impacts its function and localization within the cell. (PMID: 34680946)

## 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:

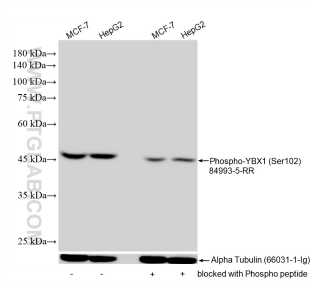
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## Selected Validation Data



MCF-7 and HepG2 cell lysates were subjected to SDS PAGE followed by western blot with 84993-5-RR (Phospho-YBX1 (Ser102) antibody) blocked with BSA only and Phospho-YBX1 (Ser102) peptide at dilution of 1:2000 incubated at room temperature for 1.5 hours.