

For Research Use Only

# CoraLite® Plus 488-conjugated YBX1 Recombinant antibody

Catalog Number: CL488-84993-4



## Basic Information

<b>Catalog Number:</b> CL488-84993-4	<b>GenBank Accession Number:</b> BC010430	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4904	<b>CloneNo.:</b> 242462F12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P67809	<b>Recommended Dilutions:</b> IF/ICC: 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> Y box binding protein 1	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG14129	<b>Calculated MW:</b> 324 aa, 36 kDa	
	<b>Observed MW:</b> 36-56 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HeLa cells,
<b>Species Specificity:</b> human, mouse	

## Background Information

Y box binding protein 1(YBX1) is one of cis-acting elements which has a role in regulation of the expression of HLA class II genes. YBX1 is great of importance in regulation of PTP1B expression. It can bind to splice sites mediate pre-mRNA alternative splicing regulation. Also, it involves the regulation of translation by modulation of the interaction between the mRNA and eukaryotic initiation factors. Its transcriptional activity on the multidrug resistance gene MDR1 is enhanced in presence of the APEX1 acetylated form at 'Lys-6' and 'Lys-7'. The secreted form acts as an extracellular mitogen and stimulates cell migration and proliferation. The calculated molecular weight of YBX1 is 36 kDa, but modified YBX1 is about 36-56 kDa. (PMID: 27384875 )

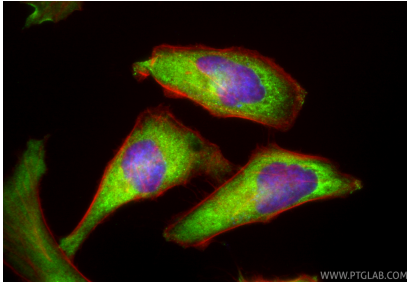
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3  
Aliquoting is unnecessary for -20°C storage

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



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Coralite® Plus 488 YBX1 antibody (CL488-84993-4, Clone: 242462F12 ) at dilution of 1:200, CL594-Phalloidin (red).