

For Research Use Only

CoraLite® Plus 488-conjugated YBX1 Recombinant antibody

Catalog Number: CL488-84993-4



Basic Information

Catalog Number:

CL488-84993-4

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14129

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:

36-56 kDa

Purification Method:

Protein A purification

CloneNo.:

242462F12

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse

Positive Controls:

IF/ICC : HeLa cells,

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:

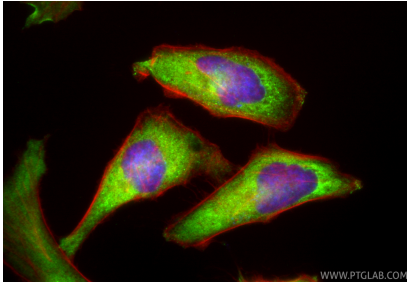
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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).