

For Research Use Only

CoraLite®488-conjugated YY1 Monoclonal antibody



Catalog Number:CL488-66281

Basic Information

Catalog Number:

CL488-66281

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG17732

GenBank Accession Number:

BC037308

GeneID (NCBI):

7528

UNIPROT ID:

P25490

Full Name:

YY1 transcription factor

Calculated MW:

414 aa, 45 kDa

Observed MW:

65-70 kDa

Purification Method:

Protein A purification

CloneNo.:

2E11C5

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima
wavelengths:

491 nm / 516 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat, monkey

Positive Controls:

IF : HepG2 cells,

Background Information

YY1, also named as DELTA, INO80S and NF-E1, contains four C2H2-type zinc fingers and belongs to the YY transcription factor family. YY1 is a multifunctional transcription factor that exhibits positive and negative control on a large number of cellular and viral genes by binding to sites overlapping the transcription start site. YY1 may direct histone deacetylases and histone acetyltransferases to a promoter in order to activate or repress the promoter, thus implicating histone modification in the YY1. The open reading frame of the human YY1 cDNA encodes a protein of 414 amino acids with a predicted molecular weight of 44 kDa. However, YY1 migrates on SDS gels as a 65-68 kDa protein, probably due to the structure of the protein. It is a ubiquitously expressed transcription factor with fundamental roles in embryogenesis, differentiation, replication and proliferation. The antibody is conjugated with CL488, Ex/Em 488 nm/515 nm.

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, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

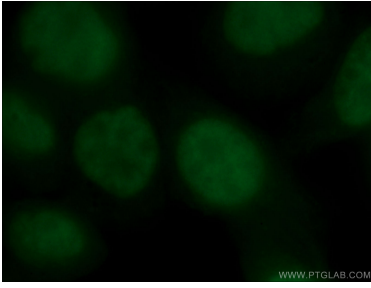
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CL488-66281 (YY1 antibody) at dilution of 1:50 ..