

For Research Use Only

CoraLite® Plus 488-conjugated YY1 Recombinant antibody

Catalog Number: CL488-82712-5



Basic Information

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| Catalog Number: CL488-82712-5 | GenBank Accession Number: BC037308 | Purification Method: Protein A purification |
| Concentration: 1000 ug/ml | GeneID (NCBI): 7528 | CloneNo.: 2K12 |
| Source: Rabbit | UNIPROT ID: P25490 | Recommended Dilutions: IF/ICC 1:400-1:1000 |
| Isotype: IgG | Full Name: YY1 transcription factor | Excitation/Emission maxima wavelengths: 493 nm / 522 nm |
| Immunogen Catalog Number: AG17792 | Calculated MW: 414 aa, 45 kDa | |

Applications

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| Tested Applications: IF/ICC | Positive Controls: IF/ICC : HepG2 cells, |
| Species Specificity: human | |

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.

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:

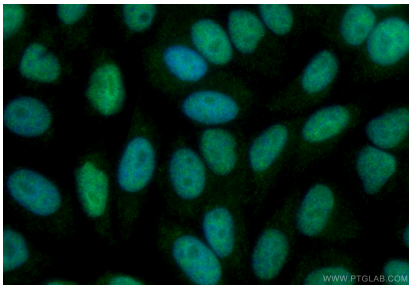
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Coralite® Plus 488 YY1 antibody (CL488-82712-5, Clone: 2K12) at dilution of 1:400.