

For Research Use Only

YY1 Recombinant antibody

Catalog Number: 82712-5-RR



Basic Information

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|---|---|---|
| Catalog Number: 82712-5-RR | GenBank Accession Number: BC037308 | Purification Method: Protein A purification |
| Size: 700 ug/ml | GeneID (NCBI): 7528 | CloneNo.: 2K12 |
| Source: Rabbit | UNIPROT ID: P25490 | Recommended Dilutions: IF/ICC 1:350-1:1400 |
| Isotype: IgG | Full Name: YY1 transcription factor | |
| Immunogen Catalog Number: AG17792 | Calculated MW: 414 aa, 45 kDa | |

Applications

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| Tested Applications: IF/ICC, FC (Intra), ELISA | 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. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

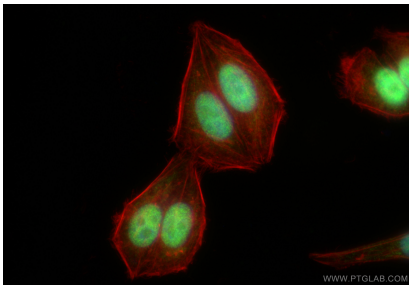
T: 4006900926

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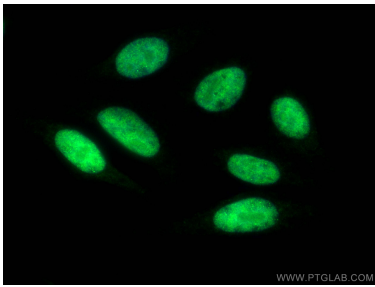
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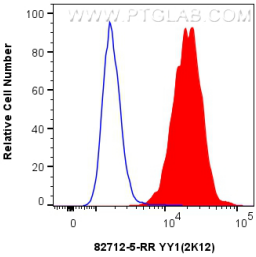
Selected Validation Data



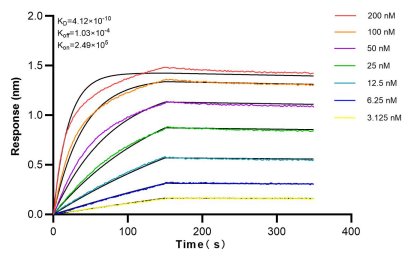
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using YY1 antibody (82712-5-RR, Clone: 2K12) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using YY1 antibody (82712-5-RR, Clone: 2K12) at dilution of 1:700 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug YY1 Recombinant antibody (82712-5-RR, Clone:2K12) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Biolayer interferometry (BLI) kinetic assays of 82712-5-RR against Human YY1 were performed. The affinity constant is 0.412 pM.