

For Research Use Only

YY1 Recombinant antibody, PBS Only

Catalog Number: 82712-5-PBS



Basic Information

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

Applications

Tested Applications:
IF/ICC, FC (Intra), Indirect ELISA

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

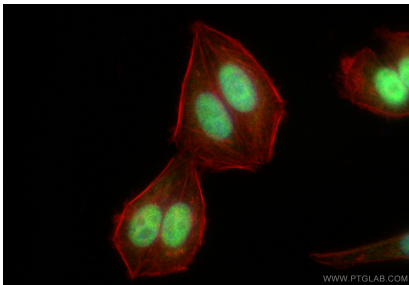
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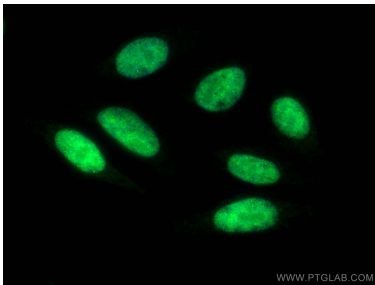
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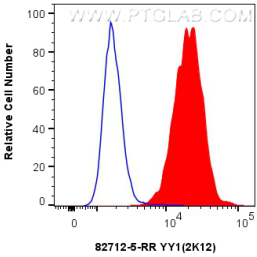
Selected Validation Data



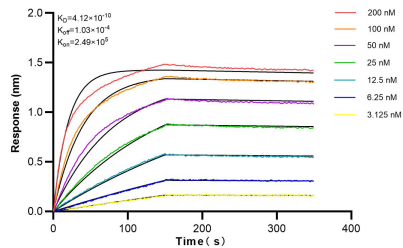
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using YY1 antibody (82712-5-RR, Clone: 2K12) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red). This data was developed using the same antibody clone with 82712-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 82712-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 82712-5-PBS in a



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