

YY1 Recombinant antibody

Catalog Number: 82712-5-RR

Basic Information

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

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF : 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.

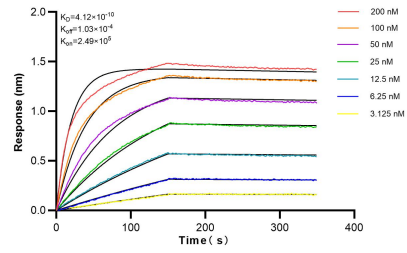
Storage

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

Selected Validation Data



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).



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