

CoraLite®488-conjugated YY1 Monoclonal antibody

Catalog Number: **CL488-66281**

Basic Information

Catalog Number: CL488-66281	GenBank Accession Number: BC037308	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 7528	CloneNo.: 2E11C5
Source: Mouse	UNIPROT ID: P25490	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2a	Full Name: YY1 transcription factor	Excitation/Emission maxima wavelengths: 491 nm / 516 nm
Immunogen Catalog Number: AG17732	Calculated MW: 414 aa, 45 kDa	
	Observed MW: 65-70 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF : HepG2 cells,
Species Specificity: human, mouse, rat, monkey	

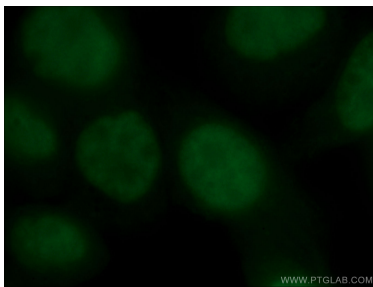
Background Information

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

Selected Validation Data



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