

For Research Use Only

CoraLite®488-conjugated YY1 Monoclonal antibody

Catalog Number:CL488-66281



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-66281	BC037308	Protein A purification
Size:	GeneID (NCBI):	CloneNo.:
100ul , Concentration: 1000 ug/ml by Nanodrop;	7528	2E11C5
Source:	UNIPROT ID:	Recommended Dilutions:
Mouse	P25490	IF/ICC 1:50-1:500
Isotype:	Full Name:	Excitation/Emission maxima wavelengths:
IgG2a	YY1 transcription factor	491 nm / 516 nm
Immunogen Catalog Number:	Calculated MW:	
AG17732	414 aa, 45 kDa	
	Observed MW:	
	65-70 kDa	

Applications

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

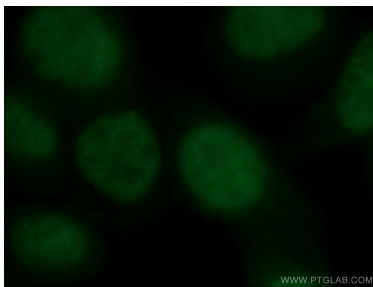
Storage

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

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



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