

For Research Use Only

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: 100ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7528	CloneNo.: 2E11C5
Source: Mouse	Full Name: YY1 transcription factor	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2a	Calculated MW: 414 aa, 45 kDa	Excitation/Emission maxima wavelengths: 488 nm / 515 nm
Immunogen Catalog Number: AG17732		

Applications

Tested Applications: IF	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.

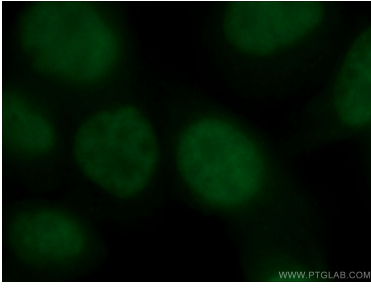
Storage

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

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)
E: proteintech@ptglab.com
W: ptglab.com

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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 ..