

For Research Use Only

CoraLite® Plus 488-conjugated YTHDC1 Monoclonal antibody



Catalog Number:CL488-67911

Basic Information

Catalog Number: CL488-67911	GenBank Accession Number: BC053863	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 91746	CloneNo.: 1F5G11
Source: Mouse	Full Name: YTH domain containing 1	Excitation/Emission maxima wavelengths: 488 nm / 515 nm
Isotype: IgG1	Calculated MW: 85 kDa	
Immunogen Catalog Number: AG6289	Observed MW: ~100 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human

Background Information

YTHDC1, containing 1 YTH domain, is one of the m6A-binding proteins that can recognize and bind to the m6A methylation site and plays a specific role in gene expression. YTHDC1 is constitutively enriched in the nucleus. It regulates mRNA splicing by bridging the interactions between the trans- and cis-regulatory elements to bind targeted mRNAs. YTHDC1 mediates the export of m6A modified mRNA from the nucleus to the cytoplasm by interacting with SRSF3, which is an essential factor driving the tumorigenic process in various types of cancers including breast cancer, colon cancer, ovarian cancer, osteosarcoma, and glioblastoma (32368386).

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.

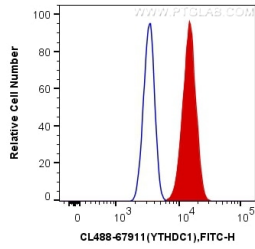
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ A431 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human YTHDC1 (CL488-67911, Clone:1F5G11) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).