For Research Use Only

# CoraLite® Plus 488-conjugated RUVBL1 Monoclonal antibody

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Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:CL488-67750

## Basic Information

Catalog Number:
CL488-67750

Size:
100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG16688

GenBank Accession Number:
BC002993

GeneID (NCBI):
8607

UNIPROT ID:
Q9Y265

Full Name:
RuvB-like 1 (E. coli)

Calculated MW:
456 aa, 50 kDa

Observed MW:
50 kDa

Purification Method:
Protein G purification

CloneNo.:
1F2D9

Recommended Dilutions:
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

## Applications

Tested Applications:
IF/ICC, FC (Intra)

Species Specificity:
human, rat

Positive Controls:

IF/ICC : LNCaP cells,

## Background Information

RUVBL1 is a member of the AAA (ATPase associated with diverse cellular activities) family of proteins that is associated with several chromatin-remodelling complexes and has important roles in transcriptional regulation, the DNA damage response, telomerase activity, snoRNP assembly, cellular transformation and cancer metastasis[PMID: 21617703]. It consists of 456 amino acids (50 kDa) and interacts with TATA-binding protein (TBP), which is a central component for transcriptional regulation by forming complexes with various transcription regulators. RUVBL1 is a component of a large nuclear protein complex, possibly the RNA polymerase II holoenzyme. RUVBL1 is also highly homologous to RuvB proteins that function as a DNA helicase promote branch migration of the Holliday junction[PMID: 9588198].

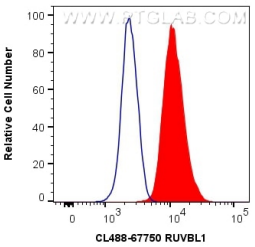
## Storage

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

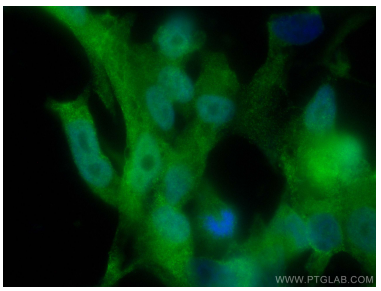
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

## Selected Validation Data




1X10^6 HEK-293 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human RUVBL1 (CL488-67750, Clone:1F2D9) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).




Immunofluorescent analysis of (4% PFA) fixed LNCaP cells using CoraLite® Plus 488 RUVBL1 antibody (CL488-67750, Clone: 1F2D9 ) at dilution of 1:200.