

For Research Use Only

# CoraLite® Plus 488-conjugated UTP18 Recombinant antibody

Catalog Number: CL488-84035-3



## Basic Information

<b>Catalog Number:</b> CL488-84035-3	<b>GenBank Accession Number:</b> NM_016001	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 51096	<b>CloneNo.:</b> 241240F1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y5J1	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> UTP18, small subunit (SSU) processome component, homolog (yeast)	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG34662	<b>Calculated MW:</b> 62 kDa	
	<b>Observed MW:</b> 62 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : A431 cells,
<b>Species Specificity:</b> human	

## Background Information

UTP18 (UTP18 small subunit processome component), also known as WDR50. It is expected to be located in nucleus. The protein is one part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome. Involved in nucleolar processing of pre-18S ribosomal RNA. The calculated molecular weight of UTP18 is 62 kDa.

## Storage

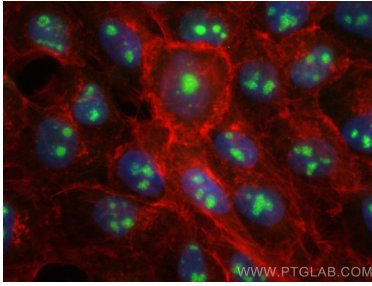
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CoraLite® Plus 488 UTP18 antibody (CL488-84035-3, Clone: 241240F1 ) at dilution of 1:200, (CL594-phalloidin, red).