

# CoraLite® Plus 488-conjugated USP14 Monoclonal antibody

Catalog Number: **CL488-67746**

## Basic Information

<b>Catalog Number:</b> CL488-67746	<b>GenBank Accession Number:</b> BC003556	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 9097	<b>CloneNo.:</b> 3B12G3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P54578	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> ubiquitin specific peptidase 14 (tRNA-guanine transglycosylase)	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG6312	<b>Calculated MW:</b> 54 kDa	
	<b>Observed MW:</b> 60 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HepG2 cells,
<b>Species Specificity:</b> Human, Mouse, Rat	

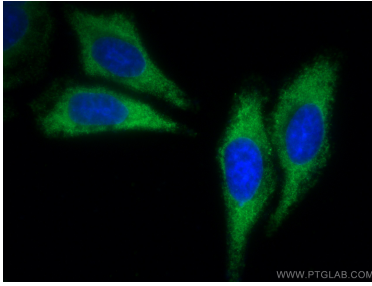
## Background Information

USP14 (Ubiquitin carboxyl-terminal hydrolase 14) is also named as TGT and belongs to the peptidase C19 family. Mammalian USP14 is unique among known UBP enzymes in that it is activated catalytically upon specific association with the 26S proteasome. USP14 inhibition accelerated the degradation of oxidized proteins and enhanced resistance to oxidative stress.

## Storage

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

## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using CoraLite® Plus 488 USP14 antibody (CL488-67746, Clone: 3B12G3 ) at dilution of 1:200.