

For Research Use Only

# CoraLite® Plus 488-conjugated XRN2 Monoclonal antibody



Catalog Number: **CL488-66852**

## Basic Information

<b>Catalog Number:</b> CL488-66852	<b>GenBank Accession Number:</b> BC006417	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul	<b>GeneID (NCBI):</b> 22803	<b>CloneNo.:</b> 2C3E3
<b>Source:</b> Mouse	<b>Full Name:</b> 5'-3' exoribonuclease 2	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 104 kDa	
<b>Immunogen Catalog Number:</b> AG27927	<b>Observed MW:</b> 109 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
Human, mouse, rat

## Background Information

XRN2 is one exonuclease that degrades the Pol II associated product of poly(A) site cleavage, which is crucial for Pol II termination. During transcription termination, XRN2 cleavages at the polyadenylation site liberates a 5' fragment which is subsequently processed to form the mature mRNA and a 3' fragment which remains attached to the elongating polymerase. The processive degradation of this 3' fragment by this protein may promote termination of transcription.

## 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.

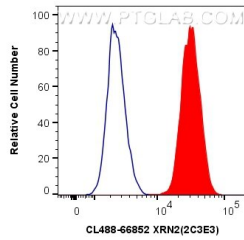
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human XRN2 (CL488-66852, Clone:2C3E3) (red), or 0.8 ug CoraLite® Plus 488 Mouse IgG1 Isotype Control (MOPC-21) (CL488-65124, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).