

For Research Use Only

# CoraLite® Plus 488-conjugated FBXO38 Recombinant antibody

Catalog Number:CL488-83509-5



## Basic Information

<b>Catalog Number:</b> CL488-83509-5	<b>GenBank Accession Number:</b> XM_005268513.1	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 81545	<b>CloneNo.:</b> 240513A4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q6PIJ6	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> F-box protein 38	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG35444	<b>Calculated MW:</b> 134kDa 1188aa	

## Applications

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

## Background Information

FBXO38, also known as HMN2D, MOKA, and SP329, is a protein that plays a significant role in the regulation of immune responses, particularly in the context of cancer and autoimmune diseases. FBXO38 has been identified as an E3 ubiquitin ligase that mediates the degradation of PD-1 (Programmed cell death protein 1), a key immune checkpoint protein expressed on the surface of T cells. The internalization, ubiquitination, and proteasome degradation of PD-1 are facilitated by FBXO38, which links PD-1 to Lys48, leading to its poly-ubiquitination and subsequent degradation (PMID: 30487606).

## 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**

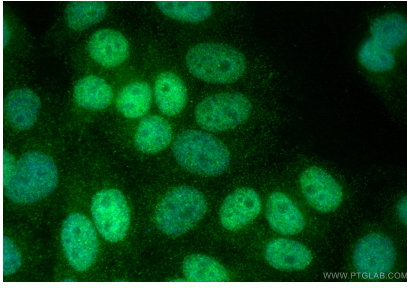
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 FBXO38 antibody (CL488-83509-5, Clone: 240513A4) at dilution of 1:200.