

# CoraLite® Plus 488-conjugated ANP32B Monoclonal antibody

Catalog Number: **CL488-66160**

## Basic Information

<b>Catalog Number:</b> CL488-66160	<b>GenBank Accession Number:</b> BC013003	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 10541	<b>CloneNo.:</b> 5A1F12
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q92688	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG2b	<b>Full Name:</b> acidic (leucine-rich) nuclear phosphoprotein 32 family, member B	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG1274	<b>Calculated MW:</b> 29 kDa	

## Applications

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

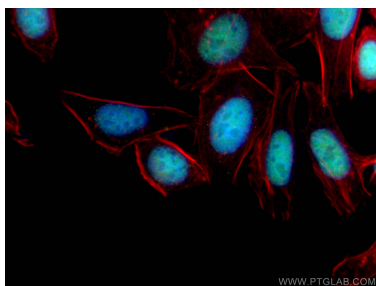
## Background Information

ANP32B is a member of the highly conserved acidic leucine-rich nuclear phosphoprotein 32 (ANP32) family. The ANP32 proteins have been implicated in a broad array of physiological processes, including cell differentiation, apoptotic cell death, and cell proliferation. ANP32B was identified as a novel direct substrate for caspase-3 and acted as a negative regulator for leukemic cell apoptosis. ANP32B controls the expression of the dendritic cell maturation factor CD83 by regulating the transport of its mRNA to the cytoplasm. It also modulates the activity of the transcription factor Kruppel-like factor 5 (KLF5).

## 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 (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 ANP32B antibody (CL488-66160, Clone: 5A1F12 ) at dilution of 1:100.