

# CoraLite®594-conjugated ANP32B Monoclonal antibody

Catalog Number: **CL594-66160**

## Basic Information

**Catalog Number:**

CL594-66160

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2b

**Immunogen Catalog Number:**

AG1274

**GenBank Accession Number:**

BC013003

**GeneID (NCBI):**

10541

**UNIPROT ID:**

Q92688

**Full Name:**acidic (leucine-rich) nuclear  
phosphoprotein 32 family, member B**Calculated MW:**

29 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

5A1F12

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

588 nm / 604 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

IF/ICC : HepG2 cells,

## 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:**

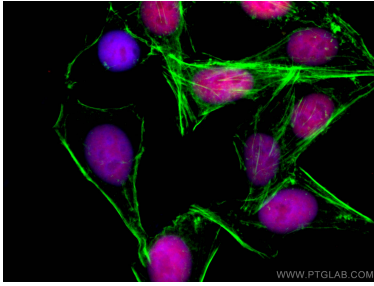
Store at -20°C. Avoid exposure to light.

**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®594 ANP32B antibody (CL594-66160, Clone: 5A1F12 ) at dilution of 1:50.