

For Research Use Only

CoraLite® Plus 488-conjugated SMAD4 Recombinant antibody



Catalog Number: CL488-83169-5

Basic Information

Catalog Number:

CL488-83169-5

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0299

GenBank Accession Number:

BC002379

GeneID (NCBI):

4089

UNIPROT ID:

Q13485

Full Name:

SMAD family member 4

Calculated MW:

60 kDa

Observed MW:

63-70 kDa

Purification Method:

Protein A purification

CloneNo.:

240026G9

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

Human, mouse

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

Mammalian homologs of the Drosophila Mad gene include Smad1, Smad2, Smad3, Smad4 (DPC4), Smad5, Smad6, Smad7 and Smad8. Smad1 and Smad5 are effectors of BMP2 and BMP4 function while Smad2 and Smad3 are involved in TGF and activin-mediated growth modulation. Smad4 has been shown to mediate all of the above activities through interaction with various Smad family members. Smad6 and Smad7 regulate the response to activin/ TGF signaling by interfering with TGF-mediated phosphorylation of other Smad family members.

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

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

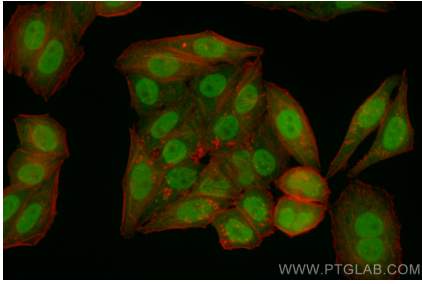
T: 4006900926

E: Proteintech-CN@ptglab.com

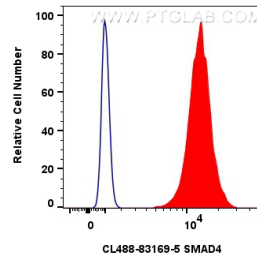
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Coralite® Plus 488 SMAD4 antibody (CL488-83169-5, Clone: 240026G9) at dilution of 1:200.



1×10^6 HepG2 cells were intracellularly stained with 0.8 μ g Coralite® Plus 488 Smad4 Recombinant Antibody (CL488-83169-5, Clone:240026G9)(red), or 0.8 μ g Coralite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).