

For Research Use Only

# CoraLite® Plus 488-conjugated FGFR3 Monoclonal antibody

Catalog Number: CL488-66954

Featured Product



## Basic Information

Catalog Number:

CL488-66954

GenBank Accession Number:

NM\_000142

Purification Method:

Protein G purification

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

GeneID (NCBI):

2261

CloneNo.:

1F3G1

Source:

Mouse

Full Name:

fibroblast growth factor receptor 3

Recommended Dilutions:

IF/ICC 1:50-1:500

Isotype:

IgG1

Calculated MW:

87 kDa

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Immunogen Catalog Number:

AG26290

Observed MW:

125-135 kDa

## Applications

Tested Applications:

IF/ICC

Positive Controls:

IF/ICC : HepG2 cells,

Species Specificity:

Human

## Background Information

Fibroblast growth factors (FGFs) are polypeptide growth factors involved in a variety of activities including mitogenesis, angiogenesis, and wound healing (PMID: 1847508). The human FGF receptor family, a subfamily of receptor tyrosine kinases (RTKs), comprises of four family members-FGFR1, FGFR2, FGFR3 and FGFR4 (PMID: 23900974). Each receptor contains an extracellular domain with either two or three immunoglobulin-like domains, a transmembrane domain, and a cytoplasmic tyrosine kinase domain. FGFR3 binds acidic and basic fibroblast GH and plays a role in bone development and maintenance. Mutations in the FGFR3 gene lead to craniosynostosis and multiple types of skeletal dysplasia. Due to frequent mutations in certain cancers, FGFR3 gene has also been associated with tumor progression.

## 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

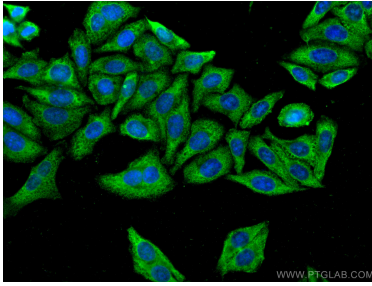
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 FGFR3 antibody (CL488-66954, Clone: 1F3G1) at dilution of 1:200.