

For Research Use Only

# CoraLite®594-conjugated FRS2 Monoclonal antibody



Catalog Number:CL594-66263

## Basic Information

Catalog Number:

CL594-66263

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG3

Immunogen Catalog Number:

AG19299

GenBank Accession Number:

BC021562

GeneID (NCBI):

10818

UNIPROT ID:

Q8WU20

Full Name:

fibroblast growth factor receptor  
substrate 2

Calculated MW:

60 kDa

Observed MW:

68 kDa

Purification Method:

Protein A purification

CloneNo.:

4E10H12

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima  
wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF : MCF-7 cells,

## Background Information

Fibroblast growth factor (FGF) receptor substrate 2 (FRS2) has an alternative name as SNT-1, it is an adaptor protein that links activated FGR and NGF receptors to downstream signaling pathways. FGF receptor substrates (FRS2 and FRS3) are key adaptor proteins that mediate FGF-FGFR signalling in benign as well as malignant tissue. FRS2 is a 508 amino-acid protein, which is phosphorylated on tyrosine residues. The molecular weight of non-phosphorylated FRS2 is 57-68 kDa, but phosphorylated FRS2 is 80-90 kDa. Phosphorylation of FRS2 is associated with activation of a number of MAP kinases. Allele-specific regulation of FGFR2 mRNA expression with a mildly increased breast cancer risk has been reported.

## 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:

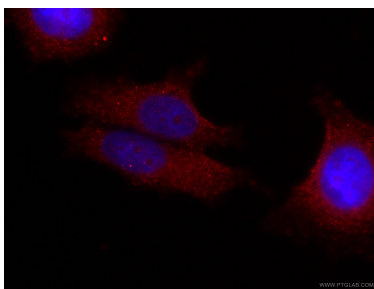
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.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 MCF-7 cells using CL594-66263 (FRS2 antibody) at dilution of 1:100.