For Research Use Only

CoraLite®594-conjugated FRS2 Monoclonal antibody

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Antibodies | ELISA kits | Proteins
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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/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
IF/ICC

Species Specificity:
human

Positive Controls:

IF/ICC : MCF-7 cells,

Background Information

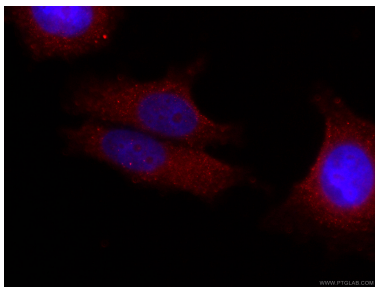
Fibroblast growth factor (FGF) receptor substrate 2 (FRS2) has an alternative name as SNT-1, it is an adapter protein that links activated FGR and NGF receptors to downstream signaling pathways. FGF receptor substrates (FRS2 and FRS3) are key adaptor proteins that mediate FGF-FGFR signalling in benign 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 W: ptgcn.com

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using CL594-66263 (FRS2 antibody) at dilution of 1:100.