

For Research Use Only

Phospho-FRS2 (Tyr436) Polyclonal antibody

Catalog Number: 31352-1-AP



Basic Information

Catalog Number:

31352-1-AP

Size:

100ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC021562

GeneID (NCBI):

10818

UNIPROT ID:

Q8WU20

Full Name:

fibroblast growth factor receptor substrate 2

Calculated MW:

60 kDa

Observed MW:

80-85 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse

Positive Controls:

WB : bFGF treated NIH/3T3 cells,

Background Information

Fibroblast growth factor substrate 2 (FRS2), a lipid-anchored docking protein that is phosphorylated upon activation of FGFR, is critical for recruitment of downstream signaling molecules and links the FGFRs to the Ras/Mek/Erk pathway and the PI3-Kinase/Akt pathway. Studies have found that the phosphotyrosine binding domain of FRS-2 directly binds the Trk receptors at the same phosphotyrosine residue that binds the signaling adapter Shc, suggesting a model in which competitive binding between FRS-2 and Shc regulates differentiation versus proliferation. (PMID: 19053057, PMID: 10092678)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

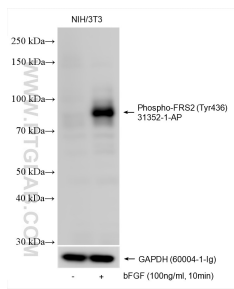
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Selected Validation Data



Non-treated NIH/3T3 cells and bFGF treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 31352-1-AP (Phospho-FRS2 (Tyr436) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as loading control.