For Research Use Only

Phospho-FRS2 (Tyr436) Recombinant antibody

Catalog Number:85242-1-RR

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Basic Information

Catalog Number:
85242-1-RR

Concentration:
1000 μg/ml

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:
Protein A purification

CloneNo.:
242134H8

Recommended Dilutions:
WB: 1:1000-1:4000

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 versusproliferation. (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, pH7.3
Aliquoting is unnecessary for -20°C storage

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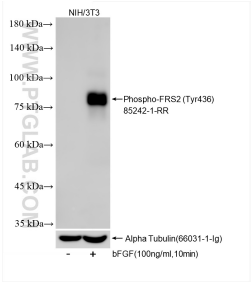
Selected Validation Data



Non-treated NIH/3T3 cells and bFGF (HZ-1285) treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 85242-1-RR (Phospho-FRS2 (Tyr436) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as loading control.