

For Research Use Only

Phospho-FRS2 (Tyr436) Recombinant antibody

Catalog Number: 85242-1-RR



Basic Information

Catalog Number: 85242-1-RR	GenBank Accession Number: BC021562	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10818	CloneNo.: 242134H8
Source: Rabbit	UNIPROT ID: Q8WU20	Recommended Dilutions: WB: 1:1000-1:4000
Isotype: IgG	Full Name: fibroblast growth factor receptor substrate 2	
	Calculated MW: 60 kDa	
	Observed MW: 80-85 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : bFGF treated NIH/3T3 cells,
Species Specificity: human, mouse	

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

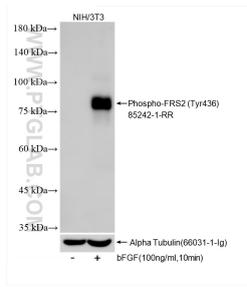
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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)
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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.