

For Research Use Only

# Phospho-FRS2 (Tyr436) Recombinant antibody, PBS Only

Catalog Number: 85242-1-PBS



## Basic Information

<b>Catalog Number:</b> 85242-1-PBS	<b>GenBank Accession Number:</b> BC021562	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 10818	<b>CloneNo.:</b> 242134H8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8WU20	
<b>Isotype:</b> IgG	<b>Full Name:</b> fibroblast growth factor receptor substrate 2	
	<b>Calculated MW:</b> 60 kDa	
	<b>Observed MW:</b> 80-85 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

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

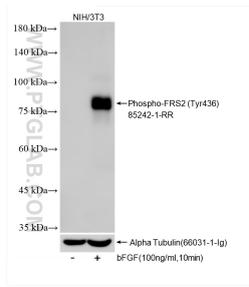
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## Selected Validation Data



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. This data was developed using the same antibody clone with 85242-1-PBS in a different storage buffer formulation.