

FRS2 Polyclonal Antibody

CATALOG #:	3836-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide surrounding amino acid 493 of human FRS2 (Internal ID# BV-938)
SPECIES REACTIVITY:	Human, Mouse, Rat

FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

STORAGE CONDITIONS:

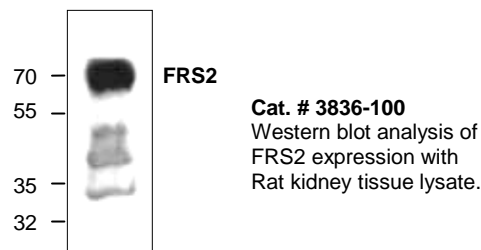
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION:

Fibroblast growth factor receptor substrate 2 (FRS2) is a 70-90kDa member of the FSR family of lipid-anchored docking protein. FRS2 contains Grb2 binding sites, a myristylation sequence and a PTP domain. Activation of FGFR leads to tyrosine phosphorylation of FRS2 and the binding of phosphorylated FRS2 to GRB2/SOS complexes. Once phosphorylated, FRS2 recruits SH2 domain-containing proteins including Grb2 and SHP-2 mediating downstream signalling. FRS2 thus, acts as an intermediary between FGF and Trk receptors that links receptor tyrosine kinase to Ras/MAPK signaling pathway.

APPLICATION:

The antibody can be used for Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide (Cat.# 3836BP-50) is available separately.



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