

**FRS2 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10647****Specification**

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**FRS2 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q8WU20</a>
Other Accession	<a href="#">NP_006645.3</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	57029

**FRS2 Antibody - Additional Information****Gene ID** 10818**Application & Usage****Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually.****Other Names**

FRS2 , FRS2A , FRS2alpha , SNT, SNT-1 , SNT

**Target/Specificity**

FRS2

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**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.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

FRS2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## **FRS2 Antibody - Protein Information**

### **Name** FRS2

### **Function**

Adapter protein that links activated FGR and NGF receptors to downstream signaling pathways. Plays an important role in the activation of MAP kinases and in the phosphorylation of PIK3R1, the regulatory subunit of phosphatidylinositol 3-kinase, in response to ligand-mediated activation of FGFR1. Modulates signaling via SHC1 by competing for a common binding site on NTRK1.

### **Cellular Location**

Endomembrane system. Note=Cytoplasmic, membrane- bound

### **Tissue Location**

Highly expressed in heart, brain, spleen, lung, liver, skeletal muscle, kidney and testis

## **FRS2 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **FRS2 Antibody - Images**

## **FRS2 Antibody - Background**

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.