

## FRS2 Polyclonal Antibody

Catalog number: 11503-1-AP

Size: 33 µg/150 µl

Source: Rabbit

Isotype: IgG

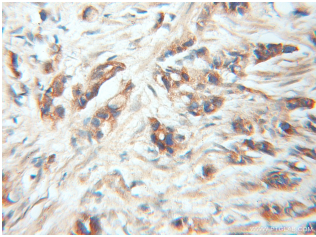
Synonyms:

FRS2; FGFR signaling adaptor

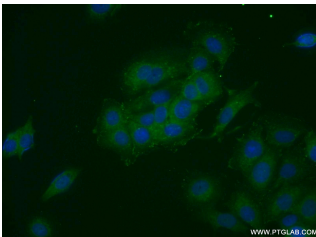
SNT, FGFR substrate 2, FRS2,

FRS2A, FRS2alpha, SNT, SNT 1,

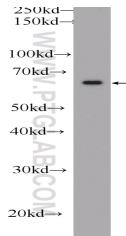
SNT1



Immunohistochemical of paraffin-embedded human prostate cancer using 11503-1-AP (FRS2 antibody) at dilution of 1:50 (under 10x lens)



Immunofluorescent analysis of MCF-7 cells using 11503-1-AP (FRS2 Antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



MCF-7 cells were subjected to SDS PAGE followed by western blot with 11503-1-AP (FRS2 Antibody) at dilution of 1:1000

### Background

Fibroblast growth factor (FGF) receptor substrate 2 (FRS2) has an alternative name as SNT-1, it is an adapter protein that links activated FGR and NGF receptors to downstream signaling pathways. FGF receptor substrates (FRS2 and FRS3) are key adaptor proteins that mediate FGF-FGFR signalling in benign as well as malignant tissue. FRS2 is a 508 amino-acid protein, which is phosphorylated on tyrosine residues. The molecular weight of non-phosphorylated FRS2 is 57-68 kDa, but phosphorylated FRS2 is 80-90 kDa. Phosphorylation of FRS2 is associated with activation of a number of MAP kinases. Allele-specific regulation of FGFR2 mRNA expression with a mildly increased breast cancer risk has been reported.

### Applications

Tested applications:	ELISA, IHC, WB, IF
Cited applications:	IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated FRS2 MW:	60 kDa
Observed FRS2 MW:	68 kDa
Positive WB detected in	MCF-7 cells, human brain tissue, NIH/3T3 cells
Positive IHC detected in	Human prostate cancer tissue
Positive IF detected in	MCF-7 cells
Recommended dilution:	WB: 1:500-1:5000
	IHC: 1:20-1:200
	IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag2052
GenBank accession number:	BC021562
Gene ID (NCBI):	10818
Full name:	Fibroblast growth factor receptor substrate 2

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.