

## FRS2 Polyclonal antibody

Catalog Number: 11503-1-AP

Featured Product

10 Publications

## Basic Information

## Catalog Number:

11503-1-AP

## Size:

1400 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG2052

## GenBank Accession Number:

BC021562

## GeneID (NCBI):

10818

## UNIPROT ID:

Q8WU20

## Full Name:

fibroblast growth factor receptor  
substrate 2

## Calculated MW:

60 kDa

## Observed MW:

68 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:20-1:200

IF/ICC 1:10-1:100

## Applications

## Tested Applications:

WB, IHC, IF/ICC, ELISA

## Cited Applications:

WB, IHC

## Species Specificity:

human, mouse, rat

## Cited Species:

human, mouse, monkey

**Note-IHC: suggested antigen retrieval with  
TE buffer pH 9.0; (\*) Alternatively, antigen  
retrieval may be performed with citrate  
buffer pH 6.0**

## Positive Controls:

**WB** : HeLa cells, SH-SY5Y cells, human brain tissue,  
NIH/3T3 cells, PC-3 cells

**IHC** : human prostate cancer tissue,

**IF/ICC** : MCF-7 cells,

## Background Information

Fibroblast growth factor (FGF) receptor substrate 2 (FRS2) has an alternative name as SNT-1, it is an adaptor protein that links activated FGF 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wang Xiaoke X	21793095	Genes Chromosomes Cancer	WB
Min Shao	35271262	J Med Chem	WB
Silvana Mouron	33579347	Breast Cancer Res	WB

## Storage

## Storage:

Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

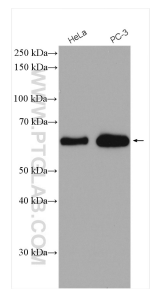
For technical support and original validation data for this product please contact:

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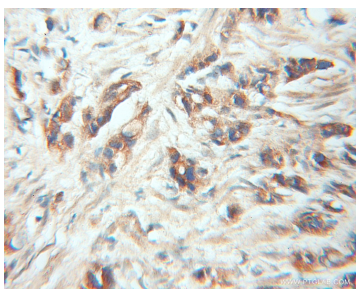
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Group brand and is not available to purchase from any  
other manufacturer.**

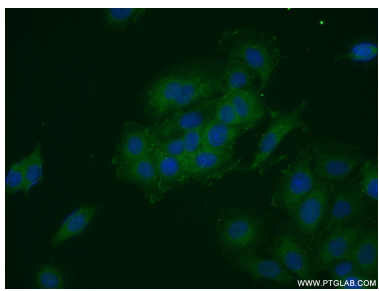
Selected Validation Data



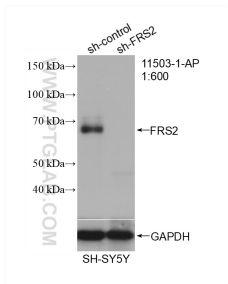
Various lysates were subjected to SDS PAGE followed by western blot with 11503-1-AP (FRS2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis 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).



WB result of FRS2 antibody (11503-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-FRS2 transfected SH-SY5Y cells.