

## FRS2- $\alpha$ (Phospho Tyr196) Rabbit pAb

CatalogNo: YP1345 **Orthogonal Validated** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse

#### Applications

- WB

#### MW

- 65kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

WB 1:1000-2000

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized phospho peptide around human FRS2- $\alpha$  (Tyr196)

**Specificity** This antibody detects endogenous levels of Human Mouse FRS2- $\alpha$  (phospho-Tyr196). The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): HTyVN

## Target Information

**Gene name** FRS2

**Protein Name** FRS2- $\alpha$  (Tyr196)

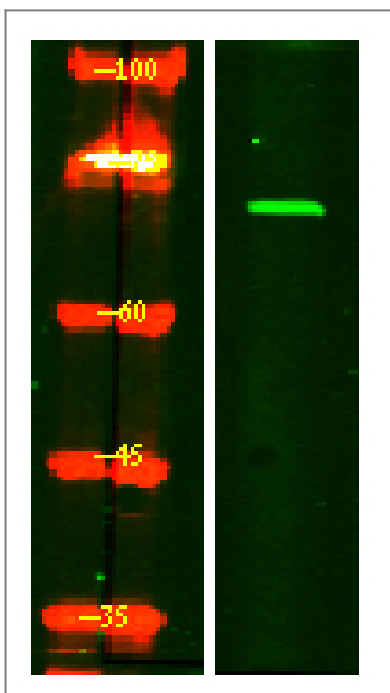
Organism	Gene ID	UniProt ID
Human	<a href="#">10818</a> ;	<a href="#">Q8WU20</a> ;
Mouse	<a href="#">327826</a> ;	<a href="#">Q8C180</a> ;

**Cellular Localization** Endomembrane system. Cytoplasmic, membrane-bound.

**Tissue specificity** Highly expressed in heart, brain, spleen, lung, liver, skeletal muscle, kidney and testis.

**Function** Function:Adapter protein that links FGR and NGF receptors to downstream signaling pathways. Involved in the activation of MAP kinases. Modulates signaling via SHC1 by competing for a common binding site on NTRK1.,PTM:Phosphorylated on tyrosine residues upon stimulation by NGF.,PTM:Ubiquitinated when tyrosine phosphorylated and in a complex with GRB2. The unphosphorylated form is not subject to ubiquitination.,sequence Caution:Translated as stop.,similarity:Contains 1 IRS-type PTB domain.,subcellular location:Cytoplasmic, membrane-bound.,subunit:Part of a complex containing FRS2, GRB2 and SOS1. Part of a complex containing GRB2 and CBL. Binds RET (By similarity). Binds FGFR1, SUC1, NTRK1, NTRK2, NTRK3 and SRC. The tyrosine-phosphorylated protein binds the SH2 domains of GRB2 and PTPN11.,tissue specificity:Highly expressed in heart, brain, spleen, lung, liver, skeletal muscle, kidney and testis.,

## Validation Data



Western Blot analysis of HeLa treated or untreated by LPS lysis, using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000

## | Contact information

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**FRS2- $\alpha$  (Phospho Tyr196) Rabbit pAb**

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