

## Recombinant FRS2 Monoclonal Antibody

catalog number: **AN301184L**

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

### Description

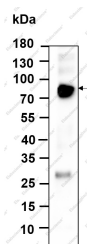
|                     |                                                                 |
|---------------------|-----------------------------------------------------------------|
| <b>Reactivity</b>   | Human;Mouse;Rat                                                 |
| <b>Immunogen</b>    | Recombinant Human FRS2 protein                                  |
| <b>Host</b>         | Rabbit                                                          |
| <b>Isotype</b>      | Rabbit IgG                                                      |
| <b>Clone</b>        | C170807                                                         |
| <b>Purification</b> | Protein A                                                       |
| <b>Buffer</b>       | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |

### Applications

### Recommended Dilution

|              |                |
|--------------|----------------|
| <b>WB</b>    | 1:2000-1:10000 |
| <b>IF</b>    | 1:200-1:1000   |
| <b>ELISA</b> | 1:5000-1:20000 |
| <b>IP</b>    | 1:50-1:200     |

### Data



Western Blot with Recombinant FRS2 Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: SH-SY5Y lysate.

**Observed-MW:80 kDa**

**Calculated-MW:57 kDa**

### Preparation & Storage

|                 |                                                                 |
|-----------------|-----------------------------------------------------------------|
| <b>Storage</b>  | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| <b>Shipping</b> | Ice bag                                                         |

### Background

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.

### For Research Use Only

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