

Human/Mouse/Rat FRS2 Antibody

Monoclonal Mouse IgG_{2B} Clone # 462910 Catalog Number: MAB4069

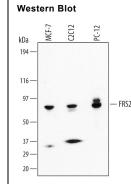
| DESCRIPTION | |
|--------------------|---|
| Species Reactivity | Human/Mouse/Rat |
| Specificity | Detects human, mouse, and rat FRS2 in Western blots. |
| Source | Monoclonal Mouse IgG _{2B} Clone # 462910 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | E. coli-derived recombinant human FRS2 Asn121-Asn449 Accession # Q8WU20 |
| Formulation | Lyophilized from a 0.2 µm filtered solution in PBS and NaCl with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS. |

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

| | Recommended Concentration | Sample |
|--------------|------------------------------|-----------|
| Western Blot | 1 μg/mL | See Below |

DATA



Detection of Human/Mouse/Rat FRS2 by Western Blot.

Western blot shows lysates of MCF-7 human breast cancer cell line, C2C12 mouse myoblast cell line, and PC-12 rat adrenal pheochromocytoma cell line. PVDF membrane was probed with 1 µg/mL of Goat Anti-Human/Mouse/Rat FRS2 Monoclonal Antibody (Catalog # MAB4069) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for FRS2 at approximately 85 KDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

| PREPARATION AND STORAGE |
|-------------------------|
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Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS

ShippingThe product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

FRS2 (FGF R substrate 2; also known as SNT and FRS2α) is a 70-90 kDa member of the FRS family of lipid-anchored docking proteins. It is an intermediary between FGF R and other RTK receptors and their Ras/MAPK signaling cascades. FRS2 contains a membrane-anchoring myristoylation signal (aa 1-6), a PTB domain (aa 13-115) that interacts with FGF and NGF receptors, and a C-terminal Tyr-rich region (aa 196-471) that serves as a docking site for GRB-2 and SHP-2.

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