

DESCRIPTION

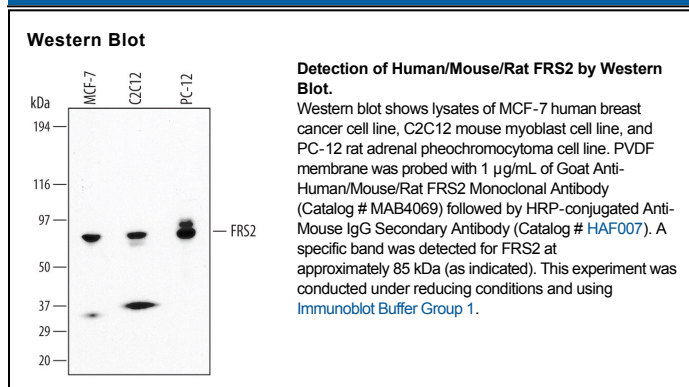
| | |
|---------------------------|--|
| Species Reactivity | Human/Mouse/Rat |
| Specificity | Detects human, mouse, and rat FRS2 in Western blots. |
| Source | Monoclonal Mouse IgG _{2B} Clone # 462910 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | <i>E. coli</i> -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 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



PREPARATION AND STORAGE

| | |
|--------------------------------|--|
| Reconstitution | Reconstitute at 0.5 mg/mL in sterile PBS. |
| Shipping | The 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 |
| Stability & Storage | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 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.