

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat FRS2 isoforms when phosphorylated at Y436.
Source	Polyclonal Rabbit IgG
Purification	Antigen Affinity-purified
Immunogen	Phosphopeptide containing human FRS2 Y436 site
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

FRS2 (FGF R substrate 2; also known as SNT and FRS2-α) is a 70-90 kDa member of the FRS family of lipid-anchored docking proteins. It is an intermediary between FGF and RTK receptors and their Ras/MAPK signaling cascades. FRS2 contains a membrane-anchoring myristoylation signal (aa 1-6), a PTB domain that interacts with FGF and NGF receptors (aa 13-115), and a C-terminal tyrosine-rich region that serves as a docking site for GRB-2 and SHP-2 (aa 196-471). Phosphorylation of Y436 by activated RTKs is required for efficient SHP-2 recruitment.

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