

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FRS2 in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human FRS2 Asn121-Asn449 Accession # Q8WU20
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.
Immunohistochemistry	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 (FGFR 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 TRK receptors and their Ras/MAPK signaling cascades. Human FRS2 is 512 amino acids (aa) in length. It 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 Tyr-rich region that serves as a docking site for Grb2 and Shp2 (aa 196-471). One splice form shows a deletion of the C-terminal four amino acids. Over aa 121-449, human FRS2 is 99% and 94% aa identical to canine and mouse FRS2, respectively.

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