

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse FGF R4 in direct ELISAs and Western blots. In direct ELISAs, approximately 15% cross-reactivity with recombinant human (rh) FGF R4 is observed and less than 1% cross-reactivity with recombinant mouse (rm) FGF R3α (IIIb) is observed
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse FGF R4 Leu19-Asp366 Accession # CAA42551
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.
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

FGF R4 is a transmembrane receptor tyrosine kinase that binds several ligands of the FGF family. It is expressed in the early embryo, and its expression has been suggested to play an important role in the formation of mesoderm and posterior structure (1). Recent studies also indicated that FGF R4 may be used as a marker to distinguish neural stem cells from other precursor cells (2). The extracellular domain of mouse FGF R4 shares 95% and 89% amino acid sequence homology with its rat and human homologs, respectively.

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