Human Phospho-FGF R1-4 (Y653/Y654) Antibody

Antigen Affinity-purified Polyclonal Rabbit IgG

Catalog Number: AF3285

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FGF R when dually phosphorylated at Y653/Y654 in Western blots.
Source	Polyclonal Rabbit IgG
Purification	Antigen Affinity-purified
Immunogen	Phosphopeptide containing human FGF R1 Y653/Y654 sites
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS 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.

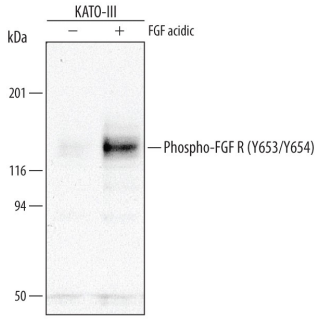
APPLICATIONS

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	0.5 µg/mL	See Below
Immunocytochemistry	5-15 µg/mL	See Below

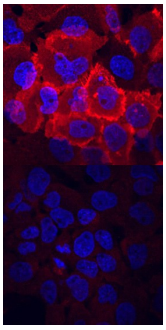
DATA

Western Blot



Detection of Human Phospho-FGF R1-4 (Y653/Y654) by Western Blot. Western blot shows lysates of KATO-III human gastric carcinoma cell line untreated (-) or treated (+) with 100 ng/mL Recombinant Human FGF acidic (Catalog # 232-FA) for 15 minutes. PVDF membrane was probed with 0.5 µg/mL of Rabbit Anti-Human Phospho-FGF R1-4 (Y653/Y654) Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3285), followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band was detected for Phospho-FGF R1-4 (Y653/Y654) at approximately 120 to 145 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Immunocytochemistry



Phospho-FGF R1-4 (Y653/Y654) in A431 Human Cell Line. FGF R1-4 phosphorylated at Y653/Y654 was detected in immersion fixed A431 human epithelial carcinoma cell line untreated (lower panel) or treated (upper panel) with pervanadate using Rabbit Anti-Human Phospho-FGF R1-4 (Y653/Y654) Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3285) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Rabbit IgG Secondary Antibody (red; Catalog # NL004) and counterstained with DAPI (blue). View our protocol for Fluorescent ICC Staining of Cells on Coverslips.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 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.** ● 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

The fibroblast growth factor receptors (FGF R), including FGF R1, R2, R3, and R4, are involved in development processes, angiogenesis, wound healing, and tumorigenesis. FGF binding induces receptor dimerization and autophosphorylation on multiple tyrosine residues. Tyr653 and Tyr654 in FGF R1 and the corresponding tyrosine residues in FGF R2, R3 and R4 are important for the activation of intrinsic kinase activity.

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