

Datasheet for ABIN2855700

**anti-FGFR1 antibody**

## 4 Images

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## Overview

|              |  |
|--------------|--|
| Quantity:    | 100 µL   |
| Target:      | FGFR1  |
| Reactivity:  | Human  |
| Host:        | Rabbit   |
| Clonality:   | Polyclonal   |
| Conjugate:   | This FGFR1 antibody is un-conjugated   |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|                   |   |
|-------------------|---|
| Immunogen:        | Recombinant protein encompassing a sequence within the center region of human FGFR5. The exact sequence is proprietary. |
| Isotype:          | IgG   |
| Cross-Reactivity: | Human   |
| Characteristics:  | Rabbit polyclonal antibody to FGFR-5 (fibroblast growth factor receptor-like 1)<br>FGFR-5 antibody                      |
| Purification:     | Purified by antigen-affinity chromatography.  |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | FGFR1   |
| Alternative Name: | fibroblast growth factor receptor like 1 ( <a href="#">FGFR1 Products</a> ) |

## Target Details

**Background:** The protein encoded by this gene is a member of the fibroblast growth factor receptor (FGFR) family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. A marked difference between this gene product and the other family members is its lack of a cytoplasmic tyrosine kinase domain. The result is a transmembrane receptor that could interact with other family members and potentially inhibit signaling. Multiple alternatively spliced transcript variants encoding the same isoform have been found for this gene.

Cellular Localization: Membrane, Single-pass type I membrane protein

**Molecular Weight:** 55 kDa

**Gene ID:** 53834

**UniProt:** [Q8N441](#)

**Pathways:** [RTK Signaling](#)

## Application Details

**Application Notes:** WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

**Comment:** Positive Control: FGFR1-transfected 293T , HepG2 membrane extract  
Validation: Orthogonal, Overexpression

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 2.42 mg/mL

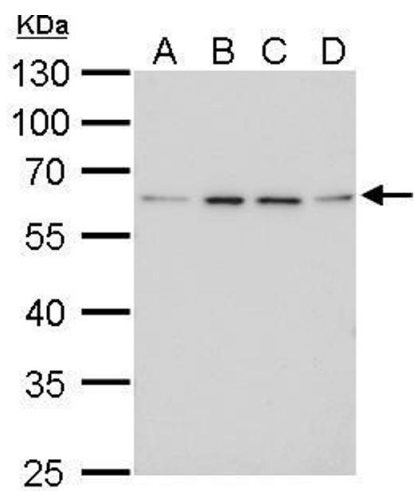
**Buffer:** 1XPBS ( pH 7), 20 % Glycerol, 0.025 % ProClin 300

**Preservative:** ProClin

Handling

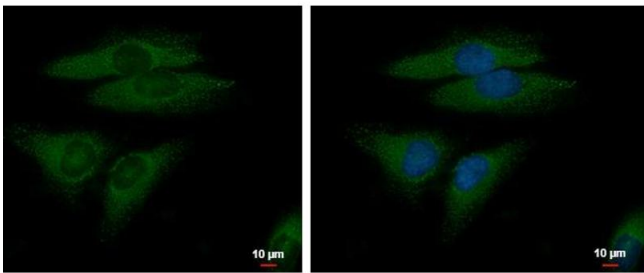
|                    |  |
|--------------------|--|
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.  |
| Storage:           | 4 °C,-20 °C  |
| Storage Comment:   | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |

Validation report #104394 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)



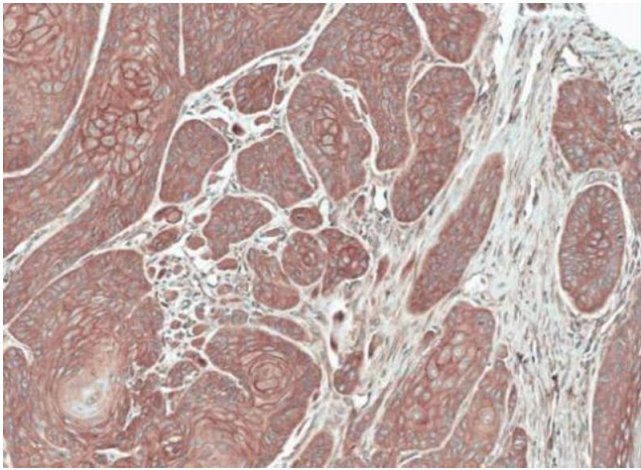
Western Blotting

**Image 1.** WB Image FGFR-5 antibody detects FGFR-5 protein by Western blot analysis. A. 30 µg Jurkat whole cell lysate/extract B. 30 µg Raji whole cell lysate/extract C. 30 µg K562 whole cell lysate/extract D. 30 µg NCI-H929 whole cell lysate/extract 10 % SDS-PAGE FGFR-5 antibody , dilution: 1:1000



Immunofluorescence

**Image 2.** ICC/IF Image FGFR-5 antibody detects FGFR-5 protein at cytoplasm by immunofluorescent analysis. Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: FGFR-5 protein stained by FGFR-5 antibody , diluted at 1:500. Blue: Hoechst 33342 staining. Scale bar = 10 µm.



#### Immunohistochemistry

**Image 3.** IHC-P Image Immunohistochemical analysis of paraffin-embedded Oral CA Cal27 xenograft, using FGFR1, antibody at 1:100 dilution.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2855700.