

Datasheet for ABIN758192  
**anti-FGFR1 antibody (pTyr307) (PE)**



[Go to Product page](#)

## Overview

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Quantity:            | 100 µL                                           |
| Target:              | FGFR1                                            |
| Binding Specificity: | pTyr307                                          |
| Reactivity:          | Human, Mouse, Rat, Cow, Chicken, Pig, Guinea Pig |
| Host:                | Rabbit                                           |
| Clonality:           | Polyclonal                                       |
| Conjugate:           | This FGFR1 antibody is conjugated to PE          |
| Application:         | Western Blotting (WB)                            |

## Product Details

|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic phosphopeptide derived from human FGFR1 around the phosphorylation site of Tyr307 |
| Isotype:              | IgG                                                                                                        |
| Cross-Reactivity:     | Rat                                                                                                        |
| Predicted Reactivity: | Human, Mouse, Cow, Pig, Horse, Chicken, Guinea Pig                                                         |
| Purification:         | Purified by Protein A.                                                                                     |

## Target Details

|                   |                                          |
|-------------------|------------------------------------------|
| Target:           | FGFR1                                    |
| Alternative Name: | FGFR1 ( <a href="#">FGFR1 Products</a> ) |

## Target Details

**Background:** Synonyms: FGFR1 phospho Y307, p-FGFR1 phospho Y307, bFGF R, BFGFR, C FGR, CD 331, CD331, CD331 antigen, CEK, FGFR, FGFR 1, Fibroblast growth factor receptor 1, FLG, FLG protein, FLJ14326, FLT 2, FLT2, Fms like tyrosine kinase 2, Fms related tyrosine kinase 2, Fms related tyrosine kinase 2 Pfefer syndrome, H2, H3, H4, H5, HBGFR, Heparin binding growth factor receptor, Hydroxyaryl protein kinase, KAL 2, KAL2, MFR, N SAM, N sam tyrosine kinase, Protein tyrosine kinase, Tyrosylprotein kinase, Basic fibroblast growth factor receptor 1.

Background: Fibroblast growth factors (FGFs) produce mitogenic and angiogenic effects in target cells by signaling through the cellular surface tyrosine kinase receptors. There are four members of the FGF receptor family: FGFR-1 (flg), FGFR-2 (bek, KGFR), FGFR-3 and FGFR-4. Each receptor contains an extracellular ligand binding domain, a transmembrane region and a cytoplasmic kinase domain (1). Following ligand binding and dimerization, the receptors are phosphorylated at specific tyrosine residues (2). Seven tyrosine residues in the cytoplasmic tail of FGFR-1 can be phosphorylated: Tyr463, Tyr583, Tyr585, Tyr653, Tyr654, Tyr730 and Tyr766. Tyrosine 653 and 654 are important for catalytic activity of the activated FGFR and are essential for signaling (3). The other phosphorylated tyrosine residues may provide docking sites for downstream signaling components such as Crk and PLCgamma.

**Molecular Weight:** 90kDa

**Gene ID:** 2260

**Pathways:** [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Sensory Perception of Sound](#), [Stem Cell Maintenance](#), [S100 Proteins](#)

## Application Details

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 1 µg/µL

**Buffer:** Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

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|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| Storage:         | -20 °C                                                                            |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date:     | 12 months                                                                         |