

Datasheet for ABIN3043988  
**anti-FGFR3 antibody (N-Term)**

## 3 Images

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## Overview

Quantity:	100 µg
Target:	FGFR3
Binding Specificity:	AA 110-129, N-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Fibroblast growth factor receptor 3(FGFR3) detection. Tested with WB, IHC-P, ICC in Human,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human FGFR3(110-129aa RQRLTQRVLCHF SVRVTDAP), different from the related rat sequence by two amino acids, and from the related mouse sequence by three amino acids.
Sequence:	RQRLTQRVLC HFSRVTDAP
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Fibroblast growth factor receptor 3(FGFR3) detection. Tested with WB, IHC-P, ICC in Human,Rat. Gene Name: fibroblast growth factor receptor 3

## Product Details

Protein Name: Fibroblast growth factor receptor 3

Purification: Immunogen affinity purified.

## Target Details

Target: FGFR3

Alternative Name: FGFR3 ([FGFR3 Products](#))

Background: Fibroblast growth factor receptor 3, also known as CD333, is a protein that in humans is encoded by the FGFR3 gene. This gene encodes a member of the fibroblast growth factor receptor(FGFR) family, with its amino acid sequence being highly conserved between members and among divergent species. The FGFR3 gene is mapped to the HD region on chromosome 4p16.3. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. This particular family member binds acidic and basic fibroblast growth hormone and plays a role in bone development and maintenance. Mutations in this gene lead to craniosynostosis and multiple types of skeletal dysplasia.

Synonyms: ACH antibody|CD 333 antibody|CD333 antibody|CD333 antigen antibody|CEK 2 antibody|CEK2 antibody|FGFR 3 antibody|FGFR-3 antibody|FGFR3 antibody|FGFR3\_HUMAN antibody|Fibroblast growth factor receptor 3(achondroplasia thanatophoric dwarfism) antibody|Fibroblast growth factor receptor 3 antibody|Heparin binding growth factor receptor antibody|HSFGFR3EX antibody|Hydroxyaryl protein kinase antibody|JTK 4 antibody|JTK4 antibody|MFR 3 antibody|SAM 3 antibody|Tyrosine kinase JTK 4 antibody|Tyrosine kinase JTK4 antibody|Z FGFR 3 antibody

UniProt: [P22607](#)

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Stem Cell Maintenance](#), [Growth Factor Binding](#)

## Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat  
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.  
ICC: Concentration: 0.5-1 µg/mL, Tested Species: Human, Predicted Species: Rat

## Application Details

Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.  
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and ICC.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05 mg Thimerosal, 0.05 mg Sodium azide.

Preservative: Thimerosal (Merthiolate), Sodium azide

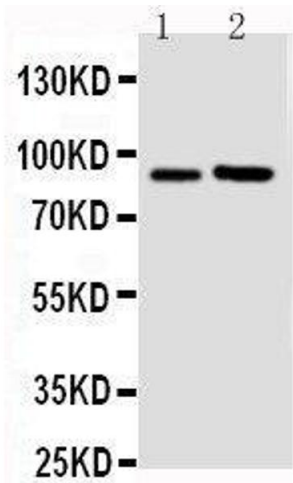
Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

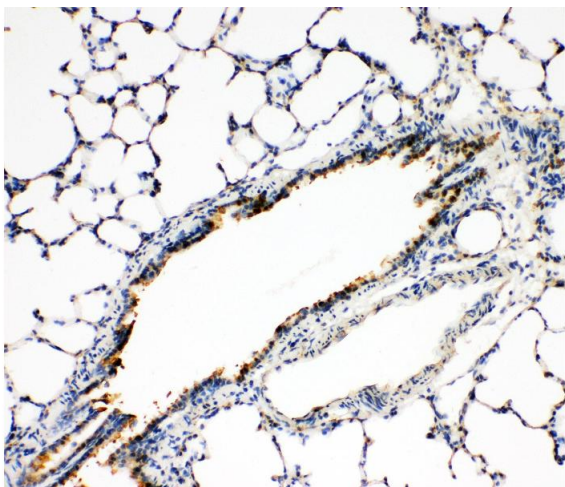
Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Expiry Date: 12 months



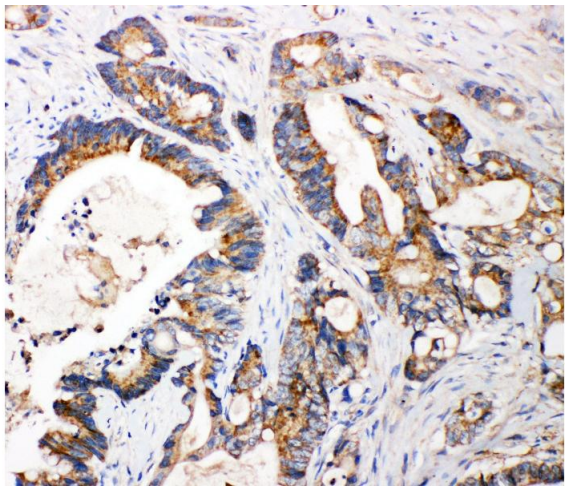
Western Blotting

**Image 1.** Anti-FGFR3 antibody, Western blotting Lane 1: U87 Cell Lysate Lane 2: SGC Cell Lysate



Immunohistochemistry

**Image 2.** Anti-FGFR3 antibody, IHC(P) IHC(P): Rat Lung Tissue



Immunohistochemistry

**Image 3.** Anti-FGFR3 antibody, IHC(P) IHC(P): Human Intestinal Cancer Tissue