

## Anti-Fibroblast growth factor 2 FGF2 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: RP1006-Fluoro488

### About FGF2

FGF2 has been implicated in a multitude of physiologic and pathologic processes, including limb development, angiogenesis, wound healing, and tumor growth. Human FGF2 shares 96% and 97% amino acid sequence homology with mouse and rat respectively. FGF2 belongs to the fibroblast growth factor (FGF) family. Fibroblast growth factors (FGFs) exhibit widespread mitogenic and neurotrophic activities. Nine members of the family are currently known, and FGF-1 and FGF-2 are present in relatively high levels in CNS. FGF-2 is expressed by at low levels in many tissues and cell types and reaches high concentrations in brain and pituitary.

### Overview

Product Name	Anti-Fibroblast growth factor 2 FGF2 Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P09038

### Technical Details

Immunogen	E.coli-derived human FGF2 recombinant protein (Position: P143-S288).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm

Suggested Dilutions

Optimal dilutions should be determined by end users.

## 7 Publications Citing This Product

1. PubMed ID: 31897132, Chen X,Zhao H,Chen C,Li J,He J,Fu X,Zhao H.The HPA/SDC1 axis promotes invasion and metastasis of pancreatic cancer cells by activating EMT via FGF2 upregulation.Oncol Lett.2020 Jan;19(1):211-220.doi: 10.3892/ol.2019.11121.Epub 2019 Nov 19.PMID:31897132;PM
2. PubMed ID: 25999285, Wang J, Wang Z, Yao Y, Wu J, Tang X, Gu T, Li G. Tuberculosis (Edinb). 2015 Jul;95(4):505-14. Doi: 10.1016/J.Tube.2015.04.006. Epub 2015 May 9. The Fibroblast Growth Factor-2 Arrests Mycobacterium Avium Sp. Paratuberculosis Growth And Immunomodula...
3. PubMed ID: 26352430, Astragalosides promote angiogenesis via vascular endothelial growth factor and basic fibroblast growth factor in a rat model of myocardial infarction

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