



FabGennix International, Inc.
9191 Kyser Way Bldg. 4 Suite 402
Frisco, TX 75033

Tel: (214)-387-8105, 1-800-786-1236

Fax: (214)-387-8105

Email: info@fabgennix.com

Web: www.FabGennix.com

Rabbit Polyclonal Anti-FGFR4 antibody

Catalog Number: FGFR4-401AP

Lot Number:

General Information

Product	FGFR4 Antibody
Description	Fibroblast growth factor receptor 4 variant Antibody
Accession #	Uniprot: P22455 GenBank: AAK51435.1
Verified Applications	ELISA, IHC, IP, WB
Species Cross Reactivity	Human, Mouse, Rat
Host	Rabbit
Immunogen	Synthetic peptide taken within amino acid region 520-570 on human Fibroblast growth factor receptor 4 variant protein.
Alternative Nomenclature	CD 334 antibody, fc13h10 antibody, FGFR-4 antibody, Fibroblast growth factor receptor 4 antibody, Hydroxyaryl protein kinase antibody, JTK2 antibody, MGC20292 antibody, Protein tyrosine kinase antibody, TKF antibody, Tyrosine kinase related to fibroblast growth factor receptor antibody, Tyrosylprotein kinase antibody

Physical Properties

Quantity	100 µg
Volume	200 µl
Form	Affinity Purified Immunoglobulins
Immunoglobulin & Concentration	0.55 mg/ml IgG in antibody stabilization buffer
Storage	Store at -20°C for long term storage.

Recommended Dilutions

DOT Blot	1:10,000
ELISA	1:10,000
Immunohistochemistry	1:50-1:100
Immunoprecipitation	1:150
Western Blot	1:500

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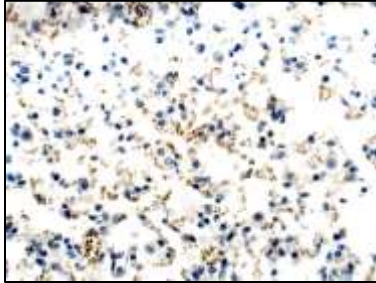
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Related Products

Catalog

Phospho-FGFR4 Antibody	PFGFR4-440AP
BIOTIN-Conjugated	FGFR4-BIOTIN
FITC-Conjugated	FGFR4-FITC
Antigenic Blocking Peptide	P-FGFR4
Western Blot Positive Control	PC-FGFR4

Application Verification:



Mouse Lung- FGFR4

Primary Antibody: FGFR4-401AP; 1:50 dilution in IHC Blocking Buffer. DAB (brown) staining and Hematoxylin QS (blue) counterstain. 40X magnification on Leica DM4000. FFPE section.

Dilutions are for reference only. Applications not listed above are not necessarily precluded from working with this antibody. Investigators intending to use an application that has not been verified can request a complimentary sample.

Overview:

Fibroblast growth factor receptor 4 (FGFR4), also known as cluster of differentiation 334, is a member of the fibroblast growth factor receptor family. FGFR4 is a cell-surface receptor for fibroblast growth factors. FGFR4 is a tyrosine-protein kinase, with a cytoplasmic tyrosine kinase domain. It also has an extracellular region, composed of three immunoglobulin-like domains and a single hydrophobic membrane-spanning segment. The extracellular domain interacts with fibroblast growth factors that trigger downstream signaling cascade influencing mitogenesis and cell differentiation (1). FGFR4 is also believed to play roles in regulation of lipid metabolism, bile acid biosynthesis, glucose uptake, vitamin D metabolism and phosphate homeostasis (2).

FGFR4 selective antibodies were generated against a Synthetic peptide taken within amino acid region 520-570 on human Fibroblast growth factor receptor 4 variant protein. This antibody will not cross react with other FGFR family members. The FGFR4 antibodies are affinity purified over immobilized antigen based affinity chromatography. The purified immunoglobulins are prepared in stabilization buffer for long term storage. Antigenic blocking peptides (P-FGFR4) and western blot positive controls in ready to use SDS-sample buffer (PC-FGFR4) are available. Antibodies can be conjugated to fluorophores or other secondary enzymes upon request at nominal cost. For a complete listing of all FabGennix antibodies and lab services, please visit <http://fabgennix.com>.

References

1. Ron, Dina, et al. "Fibroblast growth factor receptor 4 is a high affinity receptor for both acidic and basic fibroblast growth factor but not for keratinocyte growth factor." *Journal of Biological Chemistry* 268.8 (1993): 5388-5394.
2. Entrez Gene: FGFR4 fibroblast growth factor receptor 4

* For users who may require large amounts of the products listed above, please inquire about bulk material discounts.
This Product is for Research Use Only and is NOT intended for use in humans or clinical diagnosis.