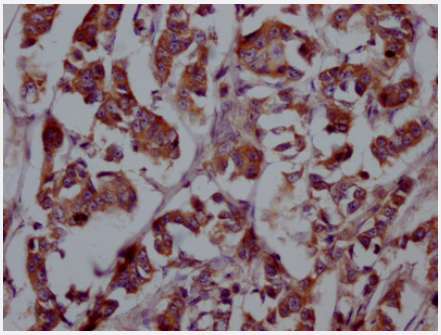
RecomAb™

FGFR4 recombinant monoclonal antibody, clone 8A5

Catalog # RAB04091 Size 100 uL

Applications



Immunohistochemistry

Immunohistochemistry image of FGFR4 recombinant monoclonal antibody, clone 8A5 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica BondTM system.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human FGFR4.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human FGFR4.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)

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Storage Instruction	Store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry

  Immunohistochemistry image of FGFR4 recombinant monoclonal antibody, clone 8A5 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica BondTM system.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — FGFR4

Entrez GeneID	2264
Protein Accession#	P22455
Gene Name	FGFR4
Gene Alias	CD334, JTK2, MGC20292, TKF
Gene Description	fibroblast growth factor receptor 4
Omim ID	134935
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the fibroblast growth factor receptor family, whe re amino acid sequence is highly conserved between members and throughout evolution. FGFR f amily 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 kin ase 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. The genomic organization of this gene, compared to members 1-3, encompasses 18 exons rathe r than 19 or 20. Although alternative splicing has been observed, there is no evidence that the C-t erminal half of the IgIII domain of this protein varies between three alternate forms, as indicated for members 1-3. This particular family member preferentially binds acidic fibroblast growth factor an d, although its specific function is unknown, it is overexpressed in gynecological tumor samples, s uggesting a role in breast and ovarian tumorigenesis. [provided by RefSeq
Other Designations	OTTHUMP00000161430|hydroxyaryl-protein kinase|protein-tyrosine kinase|tyrosine kinase relate d to fibroblast growth factor receptor|tyrosyl|protein kinase

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Pathway

- Endocytosis
- MAPK signaling pathway
- Regulation of actin cytoskeleton

Disease

- ACTH-Secreting Pituitary Adenoma
- Adenocarcinoma
- Bone Neoplasms
- Breast cancer
- Breast Neoplasms
- Bronchial Hyperreactivity
- Carcinoma
- Cleft Lip
- Cleft Palate
- Colon cancer
- Colorectal Neoplasms
- Disease Progression
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Hypersensitivity
- Irritable Bowel Syndrome
- Kidney Failure

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- Liver Neoplasms
- Lung carcinoma
- Lung Neoplasms
- Lymphatic Metastasis
- Malignant melanoma
- Melanoma
- Mouth Neoplasms
- Neoplasm Metastasis
- Pituitary ACTH Hypersecretion
- Pituitary Neoplasms
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Recurrence
- Sarcoma
- Skin Neoplasms
- Soft Tissue Neoplasms
- Thyroid Neoplasms
- Urinary Bladder Neoplasms

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