

Product datasheet for **TA324059**

FGFR1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 50-300 Positive control: Human cervical cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to C terminal 200 amino acids of human fibroblast growth factor receptor 1
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	fibroblast growth factor receptor 1
Database Link:	Entrez Gene 14182 Mouse Entrez Gene 79114 Rat Entrez Gene 2260 Human P11362



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Background:

The protein encoded by this gene is a member of the fibroblast growth factor receptor (FGFR) family; where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein consists of an extracellular region; composed of three immunoglobulin-like domains; a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase 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. This particular family member binds both acidic and basic fibroblast growth factors and is involved in limb induction. Mutations in this gene have been associated with Pfeiffer syndrome; Jackson-Weiss syndrome; Antley-Bixler syndrome; osteoglophonic dysplasia; and autosomal dominant Kallmann syndrome 2. Chromosomal aberrations involving this gene are associated with stem cell myeloproliferative disorder and stem cell leukemia lymphoma syndrome. Alternatively spliced variants which encode different protein isoforms have been described; however; not all variants have been fully characterized.

Synonyms:

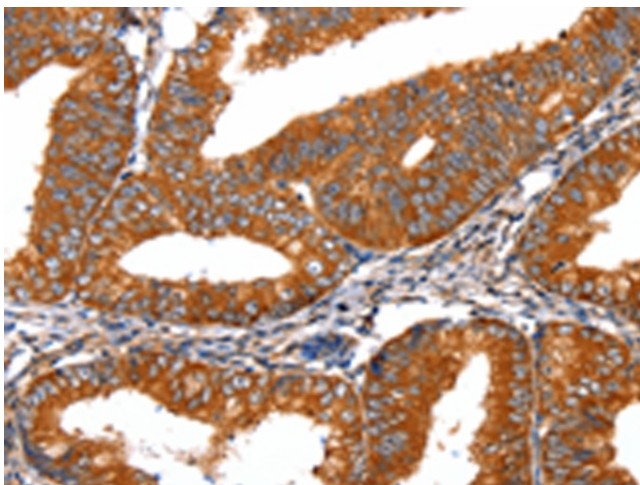
bFGF-R; BFGFR; c-fgr; CD331; CEK; FGFBR; FGFR-1; FLG; FLJ99988; FLT2; H2; H3; H4; H5; HBGFR; KAL2; N-SAM; OGD; OTTHUMP00000190881

Protein Families:

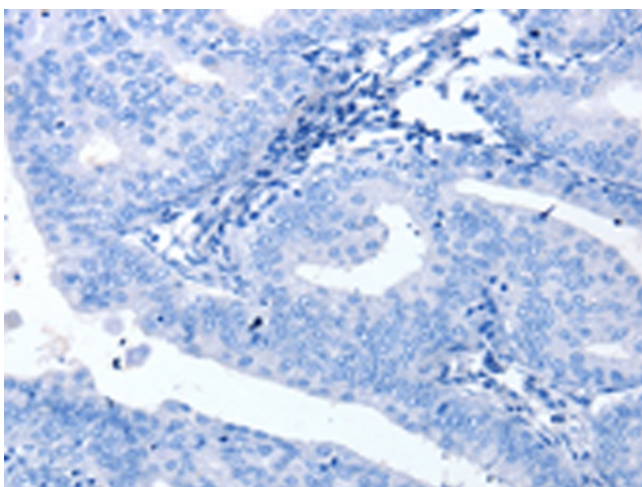
Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways:

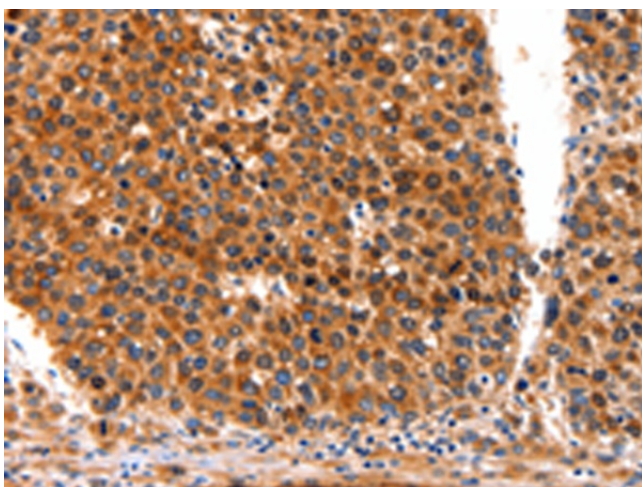
Adherens junction, MAPK signaling pathway, Melanoma, Pathways in cancer, Prostate cancer, Regulation of actin cytoskeleton

Product images:


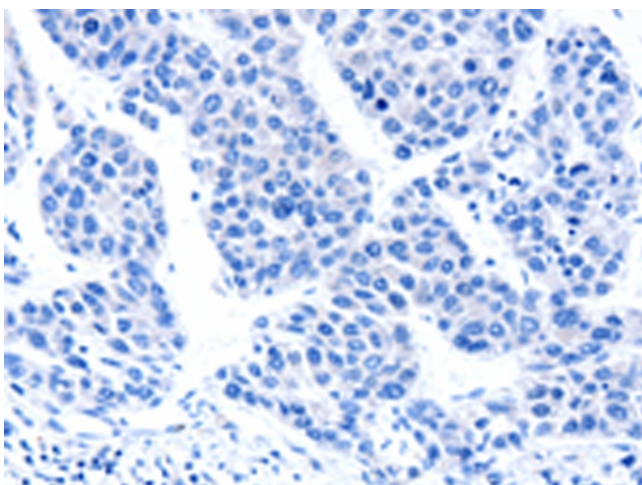
Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA324059 (FGFR1 Antibody) at dilution 1/60 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA324059 (FGFR1 Antibody) at dilution 1/60, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA324059 (FGFR1 Antibody) at dilution 1/60 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA324059 (FGFR1 Antibody) at dilution 1/60, treated with fusion protein. (Original magnification: ×200)