

Product datasheet for **TA321420S**

FGF2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 50-100 Positive control: Human breast cancer Predicted cell location: Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 215-229 amino acids of Human Fibroblast growth factor 2
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
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 2
Database Link:	NP_001997 Entrez Gene 14173 Mouse Entrez Gene 54250 Rat Entrez Gene 2247 Human P09038

Background: The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. This protein has been implicated in diverse biological processes; such as limb and nervous system development; wound healing; and tumor growth. The mRNA for this gene contains multiple polyadenylation sites; and is alternatively translated from non-AUG (CUG) and AUG initiation codons; resulting in five different isoforms with distinct properties. The CUG-initiated isoforms are localized in the nucleus and are responsible for the intracrine effect; whereas; the AUG-initiated form is mostly cytosolic and is responsible for the paracrine and autocrine effects of this FGF.



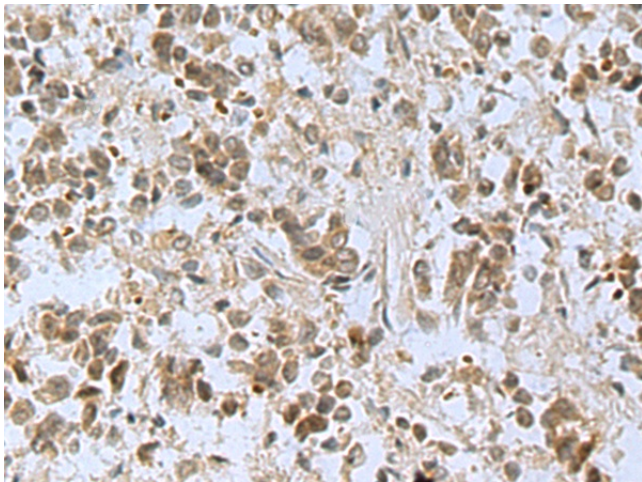
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Synonyms: BFGF; FGF-2; FGFB; HBGF-2

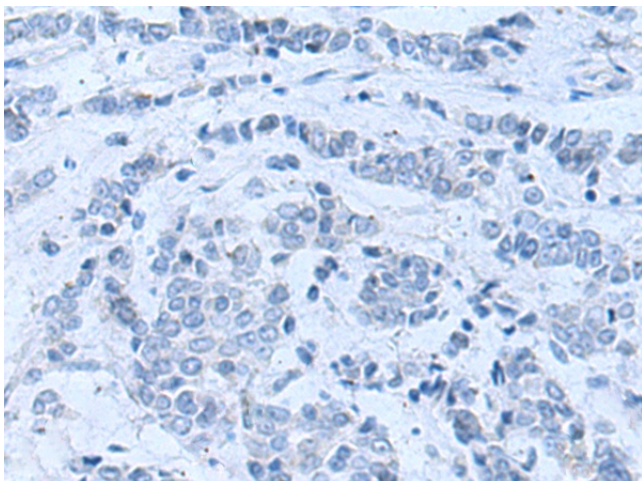
Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton

Product images:



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA321420] (FGF2 Antibody) at dilution 1/25 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA321420] (FGF2 Antibody) at dilution 1/25, treated with synthetic peptide. (Original magnification: $\times 200$)