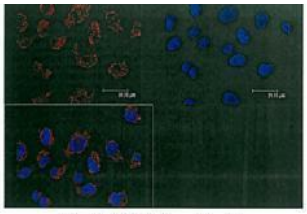
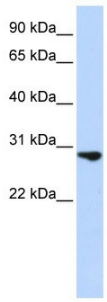
FGF2 antibody - middle region (ARP42005_P050)
Data Sheet

Product Number	ARP42005_P050
Product Name	FGF2 antibody - middle region (ARP42005_P050)
Size	50ug
Gene Symbol	FGF2
Alias Symbols	BFGF; FGFB; HBGF-2
Nucleotide Accession#	NM_002006
Protein Size (# AA)	288 amino acids
Molecular Weight	31kDa
Product Format	Lyophilized powder
NCBI Gene Id	2247
Host	Rabbit
Clonality	Polyclonal
Official Gene Full Name	Fibroblast growth factor 2 (basic)
Gene Family	ENDOLIG
Description	This is a rabbit polyclonal antibody against FGF2. It was validated on Western Blot using a cell lysate as a positive control. Aviva Systems Biology strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire ().
Target Reference	Goodger,S.J., (2008) J. Biol. Chem. 283 (19), 13001-13008
Partner Proteins	CPE, CTSL1, GCGR, GLP1R, GLP2R, MEP1A, MEP1B, GLP1R
Description of Target	The heparin-binding growth factors are angiogenic agents in vivo and are potent mitogens for a variety of cell types in vitro. There are differences in the tissue distribution and concentration of these 2 growth factors.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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Blocking Peptide	For anti-FGF2 antibody is Catalog # AAP42005 (Previous Catalog # AAPS11410)
Immunogen	The immunogen for anti-FGF2 antibody: synthetic peptide directed towards the middle region of human FGF2
Lead Time	Domestic: within 24 hours delivery International: 3-5 business days
Peptide Sequence	Synthetic peptide located within the following region: RLESNNYNTYRSRKYTSWYVALKRTGQYKLGSKTGPGQKAILFLPMSAKS
Reconstitution and Storage	Add 50 ul of distilled water. Final anti-FGF2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20C. Avoid repeat freeze-thaw cycles.
Swissprot Id	P09038
Protein Name	Fibroblast growth factor 2
Protein Accession #	NP_001997
Purification	Affinity Purified
Species Reactivity	Human, Rat, Guinea pig, Mouse, Rabbit, Horse, Bovine, Dog, Sheep, Zebrafish
Application	IHC, WB
Predicted Homology Based on Immunogen Sequence	Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Guinea pig: 100%; Dog: 93%; Horse: 93%; Sheep: 93%; Bovine: 93%; Zebrafish: 86%

Human A375

FGF2

Sample Type :
Human A375 cells
Primary Antibody Dilution :
1:100
Secondary Antibody :

Image 1	 Red: FGF2 Blue: Nuclei See IHC 1 Data and Customer Feedback for more Information	**Secondary Antibody :** Anti-rabbit-Alexa-546 **Secondary Antibody Dilution :** 1:100 **Color/Signal Descriptions :** Red: FGF2 Blue: Nuclei **Gene Name :** FGF2 **Submitted by :** Igor Prudovsky, PhD, DSc, Principal Investigator, Center for Molecular Medicine, Maine Medical Center Research Institute, 81 Research Dr. Scarborough, ME 4074
Image 2	**Human Jurkat** 	**WB Suggested Anti-FGF2 Antibody Titration:** 0.2-1 ug/ml **ELISA Titer:** 1:312500 **Positive Control:** Jurkat cell lysate

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