

AP51656PU-N**Polyclonal Antibody to FGF basic / FGF2 (Center) - Aff - Purified**

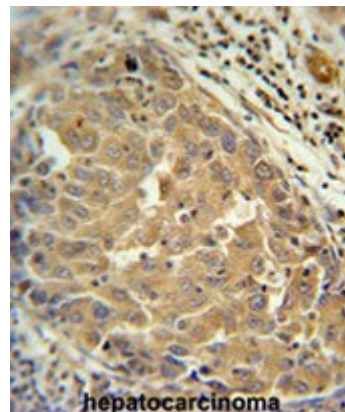
Alternate names:	BFGF, FGFB, Fibroblast growth factor 2 (basic), HBGF-2, HBGF2, Heparin-binding growth factor 2
Quantity:	0.4 ml
Concentration:	lot specific
Background:	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess 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. [provided by RefSeq].
Uniprot ID:	P09038
NCBI:	NP_001997
GeneID:	2247
Host / Isotype:	Rabbit / Ig
Immunogen:	KLH conjugated synthetic peptide between 37-66 amino acids from the Central region of human FGF2
Format:	State: Liquid purified Ig fraction Purification: Affinity chromatography on Protein A Buffer System: PBS Preservatives: 0.09% (W/V) sodium azide
Applications:	ELISA: 1/1000. Western Blot: 1/100 - 1/500. Immunohistochemistry on paraffin sections: 1/50 - 1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	30770 Da
Specificity:	This antibody reacts to FGF2.
Species Reactivity:	Tested: Human.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

1. Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :
2. Harfouche, G., et al. Stem Cells 28(9):1639-1648(2010)
3. Nikopensius, T., et al. Birth Defects Res. Part A Clin. Mol. Teratol. 88(9):748-756(2010)
4. Markowska, A.I., et al. J. Exp. Med. 207(9):1981-1993(2010)
5. Arnaud, E., et al. Mol. Cell. Biol. 19(1):505-514(1999)

Pictures:

FGF2 Antibody (Center) (Cat. #AP51656PU-N) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the FGF2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



FGF2 Antibody (Center) (Cat. #AP51656PU-N) western blot analysis in NCI-H460 cell line lysates (35µg/lane). This demonstrates the FGF2 antibody detected the FGF2 protein (arrow).

