Datasheet for ABIN3020745

anti-FGF2 antibody (AA 143-288)

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Overview

Quantity:	100 µL
Target:	FGF2
Binding Specificity:	AA 143-288
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGF2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 143-288 of human FGF2 (NP_001997.5).
Sequence:	PALPEDGGSG AFPPGHFKDP KRLYCKNGGF FLRIHPDGRV DGVREKSDPH IKLQLQAEER GVVSIKGVCA NRYLAMKEDG RLLASKCVTD ECFFFERLES NNYNTYRSRK YTSWYVALKR TGQYKLGSKT GPGQKAILFL PMSAKS
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	FGF2
Alternative Name:	FGF2 (FGF2 Products)
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.,BFGF,FGF-2,FGFB,HBGF-2,Basic FGF,FGF2,Cancer,Invasion and Metastasis,Signal Transduction,Cell Biology & Developmental Biology,Growth factor,Neuroscience,Stem Cells,Neural Stem Cells,Cardiovascular,Angiogenesis,Angiogenic growth factors,FGF2
Molecular Weight:	17 kDa/21 kDa/22 kDa/30 kDa
Gene ID:	2247
UniProt:	P09038
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, C21-Steroid Hormone Metabolic Process, Inositol Metabolic Process, Glycosaminoglycan Metabolic Process, Protein targeting to Nucleus, S100 Proteins

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles

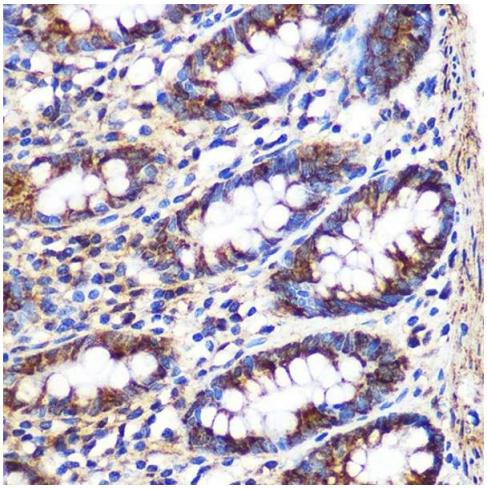
Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Publications

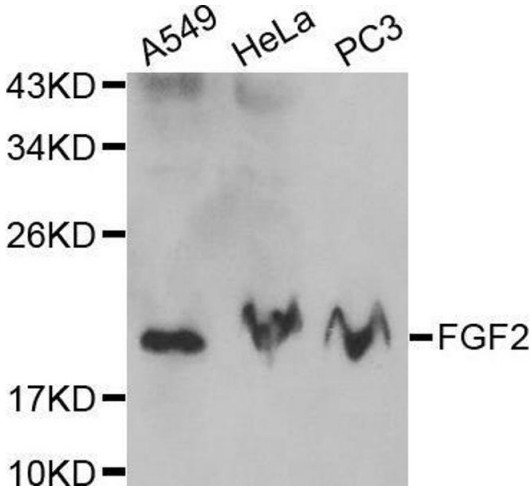
Product cited in:	Chang, Lin, Fu, Wang, Han, Fan: "MicroRNA-195-5p Regulates Osteogenic Differentiation of Periodontal Ligament Cells Under Mechanical Loading." in: **Journal of cellular physiology**, Vol. 232, Issue 12, pp. 3762-3774, (2017) (PubMed).

Images



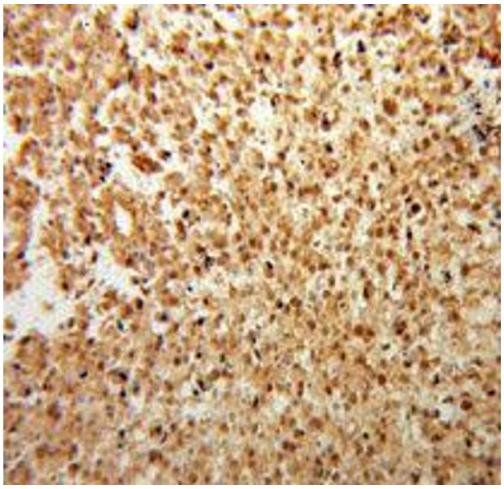
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded Human colon using FGF2 Rabbit pAb (ABIN3020744, ABIN3020745, ABIN3020746 and ABIN6213702) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using FGF2 antibody.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded Osteosarcoma using FGF2 antibody.

Please check the product details page for more images. Overall 10 images are available for ABIN3020745.

