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Product datasheet for AP02009SU-N

FGF2 Rabbit Polyclonal Antibody

Product data:

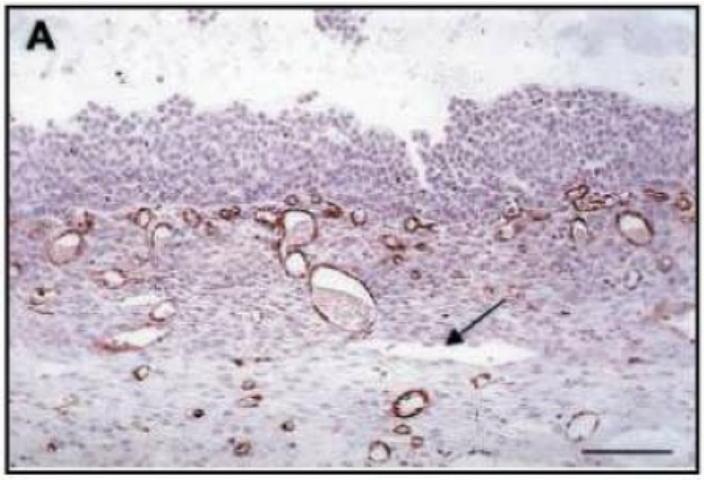
Product Type:	Primary Antibodies
Applications:	IHC, R, WB
Recommended Dilution:	**RIA** (Ref.1,2). **Western blot:** 1/10,000-1/30,000 (Ref.1,2). **Immunohistochemistry on Frozen Sections:** 1/5,000 (Ref.1-3). **Immunohistochemistry on Paraffin Sections:** 1/200 (Ref.1-3).
Reactivity:	Bovine
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Recombinant Bovine Fibroblast Growth Factor-2 [FGF-2] (= basic FGF)
Specificity:	This antibody detects Fibroblast Growth Factor-2. **Does not** cross react with FGF-1, IGF-1, IGF-2, TNFa and EGF.
Formulation:	State: Serum State: Lyophilized serum
Reconstitution Method:	Restore in aqua bidest to initial volume.
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	fibroblast growth factor 2
Database Link:	P09038

View online »

Background: FGF basic (FGF2) is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. FGF2 is involved in diverse biological processes, such as limb and nervous system development, wound healing, and tumor growth. FGF2 mRNA contains multiple polyadenylation sites, and is alternatively translated from AUG and non-AUG (CUG) 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.

Synonyms: FGFB, Heparin-binding growth factor 2, Fibroblast growth factor 2 (basic), BFGF, HBGF-2, HBGF2

Product images:



Immunohistochemistry of FGF-2 staining in Paraffin sections of Bovine follicule tissue. Endogenous peroxidase activity was blocked by incubating the section in 1% H2O2 in Methanol for 30 minutes. The section was incubated with AP02009SU (1/1200) and detected using Biotinylated secondary antibody with ABC Kit. DAB was used as the Chromogen. (A) AP02009SU stains the larger vessels in the theca externa, but not lymphatic vessels (arrow). Scale bar = 100 µm. Berisha B et al (2000) J Endocrinol167 (3):371-82.