Antibodies

Data Sheet

BOVINE FIBROBLAST GROWTH FACTOR-2 (FGF-2)

ANTIBODY, POLYCLONAL

Catalog no.: AS1014.1 / AS1014.2

Immunogen: Recombinant bovine FGF-2

Synonyms: Heparin-binding growth factor 2 (HBGF-2), Basic fibroblast growth factor (bFGF)

Swiss-Prot No: P03969

Gene Information: Gene Name: FGF2, FGF-2

GeneID: 281161

Host: Rabbit

Matrix: Serum

Specificity: Bovine, human, domestic ruminant and pig FGF-2

No cross reactivity was obtained with bovine FGF-1, IGF-1, IGF-2, TNFα or EGF.

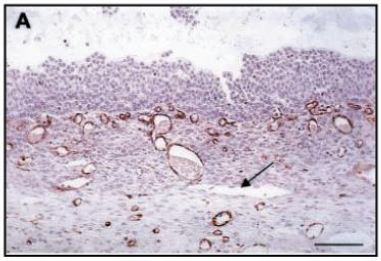

Figure 1: Immunohistochemistry image of FGF-2 staining in paraffin sections of bovine follicle tissue. Endogenous peroxidase activity was blocked by incubating the section in 1% H2O2 in methanol for 30 min. The section was incubated with AS1014 (1:1200) and detected using biotinylated secondary antibody with ABC kit (Vector Laboratories). DAB was used as the chromogen. **(A)** AS1014 stains the larger vessels in the theca externa, but not lymphatic vessels (arrow). Scale bar = 100 µm.

Berisha B et al. (2000) J Endocrinol 167(3):371-382

Contents: 20 µl / 100 µl (lyophilized)

Resuspend in 20 µl / 100 µl aqua bidest.

Known applications: RIA[1, 2], Western Blot (1:10 000-30 000)[1, 2], immunohistochemistry (paraffin sections, 1:1200; cryosections, 1:5000)[1, 2, 3]

This antibody has not been tested for use in all applications. This does not necessarily exclude its use for non-tested procedures. The stated dilutions are recommendations only. We suggest that the applicant titrates the antibody in his/her system using appropriate negative/positive controls.

Store at: 2-8 °C (lyophilized); - 20 °C (dissolved)

Repeated thawing and freezing must be avoided

References:

1. Schams D, Amselgruber W, Einspanier R, Sinowatz F, Gospodarowicz D (1994). Localization and tissue concentration of basic fibroblas growth factor in the bovine corpus luteum. *Endocrine* **2**: 907-912.

2. Gabler C, Lauer B, Einspanier A, Schams D, Einspanier R (1997). Detection of mRNA and immunoreactive proteins for acidic and basic fibroblast growth factor and expression of the fibroblast growth factor receptors in the bovine oviduct. *J Reprod Fertil* **109**(2)**:** 213-221.

3. Berisha B, Schams D, Kosmann M, Amselgruber W, Einspanier R (2000). Expression and localisation of vascular endothelial growth factor and basic fibroblast growth factor during the final growth of bovine ovarian follicles. *J Endocrinol* **167**(3)**:** 371-382.

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4. Sinowatz F, Schams D, Einspanier R, Arnold G, Pfeffer M, Temmim-Baker L, Amselgruber W, Plendl J (2000). Cellular localization of fibroblast growth factor 2 (FGF-2) in benign prostatic hyperplasia. *Histol Histopathol* **15**(2)**:** 475-481.

Last updated on: 18 August 2016

For research use only

Publishing research using AS1014? Please let us know so that we can cite your publication as a reference.

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