

## Sheep antibody to rh Basic FGF: whole serum

<b>Catalogue No.:</b>	S-008-100
<b>Description:</b>	Fibroblast growth factors (FGFs), a heparin binding growth factor, exhibit widespread mitogenic and neurotrophic activities in a variety of different cells including mesenchymal, neuroectodermal and endothelial cells. aFGF (FGF-1) and bFGF (FGF-2) are present in relatively high levels in CNS. aFGF is expressed by a subset of neuronal populations, while bFGF is expressed by astrocytes, both lack signal peptides. Human bFGF is a 17.2 kDa protein containing 155 amino acid residues. <b>FUNCTION:</b> 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. <b>SUBUNIT:</b> Monomer. Interacts with CSPG4 and FGFBP1. Found in a complex with FGFBP1, FGF1 and FGF2. <b>MISCELLANEOUS:</b> This protein binds heparin more strongly than does aFGF. <b>SIMILARITY:</b> Belongs to the heparin-binding growth factors family.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 uL
<b>Antigen:</b>	Recombinant human basic FGF
<b>Other Names:</b>	Heparin-binding growth factor 2; HBGF-2; Basic fibroblast growth factor; bFGF; Prostatropin; FGF2; FGFB
<b>Accession:</b>	FGF2_HUMAN
<b>Produced in:</b>	Sheep
<b>Purity:</b>	Whole serum
<b>Applications:</b>	IHC (frozen), WB. Recommended to be used at a dilution of 1: 1000 to 1:2000 for both applications. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	A high level of specificity for bFGF was shown by immunohistochemistry for this antiserum.
<b>Cross-reactivity:</b>	This antibody is known to react with human, mouse and rat basic FGF.
<b>Form:</b>	Lyophilised
<b>Reconstitution:</b>	Reconstitute in 100 uL of sterile water. Centrifuge to remove any insoluble material.
<b>Storage:</b>	After reconstitution keep aliquots at -20C for a higher stability, and at 2-8C with an appropriate antibacterial agent. Glycerol (1:1) may be added for an additional stability. Avoid repetitive freeze/thaw cycles.
<b>Expiry Date:</b>	12 months after purchase
<b>Specific References:</b>	1. Lee HJ et al (2010) Effects of sevoflurane on collagen production and growth factor expression in rats with an excision wound. Acta Anaesthesiol Scand. 2010 Aug;54(7):885-93.
<b>References:</b>	1. Abraham, et al. (1986) Science. 233(4763):545-8 2. Kurokawa, et al. (1987) FEBS Lett. 213(1):189-94 3. Bieger, et al., (1995) J Neurochem 64, 1521-7 4. Takayama, et al., (1995) Nat Med 1, 53-8.

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FOR RESEARCH USE ONLY

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5. Eckenstein (1994) J Neurobiol 25, 1467-80. (1994)
6. Abraham, et al., (1986) Embo J 5, 2523-8
7. English, et al., (1995) Dev Biol 169, 57-64.

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