



Sheep antibody to rh Basic FGF: whole serum

Catalogue No.:	S-008-100
Description:	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. FUNCTION: 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. SUBUNIT: Monomer. Interacts with CSPG4 and FGFBP1. Found in a complex with FGFBP1, FGF1 and FGF2. MISCELLANEOUS: This protein binds heparin more strongly than does aFGF. SIMILARITY: Belongs to the heparin-binding growth factors family.
Batch No.:	See product label
Unit size:	100 uL
Antigen:	Recombinant human basic FGF
Other Names:	Heparin-binding growth factor 2; HBGF-2; Basic fibroblast growth factor; bFGF; Prostatropin; FGF2; FGFB
Accession:	FGF2_HUMAN
Produced in:	Sheep
Purity:	Whole serum
Applications:	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.
Specificity:	A high level of specificity for bFGF was shown by immunohistochemistry for this antiserum.
Cross-reactivity:	This antibody is known to react with human, mouse and rat basic FGF.
Form:	Lyophilised
Reconstitution:	Reconstitute in 100 uL of sterile water. Centrifuge to remove any insoluble material.
Storage:	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.
Expiry Date:	12 months after purchase
Specific References:	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.
References:	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.

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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