

**Antibody to basic Fibroblast Growth Factor (FGF-2)
RABBIT POLYCLONAL**

Catalog Number: AB-08
Quantity: 100 microliters
Format: Liquid antisera, no preservative
Host: Rabbit
Immunogen: 1-23 synthetic fragment of rat FGF-2

Background:

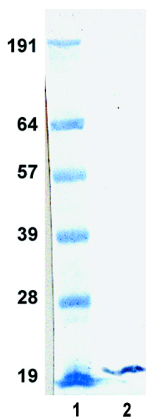
Basic Fibroblast Growth Factor (FGF-2) is a 155 amino acid protein (154 amino acids in rat) that has wide-ranging effects in a variety of systems. FGF-2 can induce proliferation of fibroblasts, endothelial cells, chondrocytes, smooth muscle cells, melanocytes, and other cell types. FGF-2 also has the ability to cause adipocyte differentiation, stimulate astrocyte migration, and prolong neuron survival. Several isoforms of this protein exist, ranging from 16 to 24 kD in size. The FGFs, often because of proliferative activities, are now considered to play substantial roles in cellular development, tissue remodeling, hematopoiesis, and tumorigenesis.

Specificity and Preparation:

This antibody recognizes FGF-2 in rat. This antibody was made using the 1-23 synthetic fragment of rat FGF-2 (1-46) as immunogen. The antibody is routinely tested by immunoblotting.

Usage and Storage:

Applications include immunoblotting (ATS in-house; western 1:1000),² immunohistochemistry (fixed tissue 1:2,000-1:8,000;¹ paraffin²). Working dilutions must be determined by the end user. Store the antibody at 4°C for one month or -20°C in undiluted aliquots for one year. Avoid repeated freezing and thawing. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.



Lane 1: Molecular weight standards (Invitrogen SeeBlue)
Lane 2: 50 ng bFGF probed with AB-08 (Lot #4-23-3) at a 1:1000 dilution.

References:

1. Houchen CW, George RJ, Sturmoski MA, Cohn SM (1999) FGF-2 enhances intestinal stem cell survival and its expression is induced after radiation injury. *Am J Physiol* 276(1 Pt 1):G249-58.
2. Gonzalez AM, Berry M, Maher PA, Logan A, Baird A. (1995) A comprehensive analysis of the distribution of FGF-2 and FGFR1 in the rat brain. *Brain Res* 701:201-226.