

FGF4 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP8149a**Specification****FGF4 Antibody (N-term) Blocking Peptide -
Product Information**Primary Accession [P08620](#)**FGF4 Antibody (N-term) Blocking Peptide -
Additional Information****Gene ID** 2249**Other Names**

Fibroblast growth factor 4, FGF-4, Heparin secretory-transforming protein 1, HST, HST-1, HSTF-1, Heparin-binding growth factor 4, HBGF-4, Transforming protein KS3, FGF4, HST, HSTF1, KS3

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8149a](/product/products/AP8149a) was selected from the N-term region of human FGF4. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

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Protein Information****FGF4 Antibody (N-term) Blocking Peptide -
Background**

FGF4 is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. The gene for FGF4 was identified by its oncogenic transforming activity. The gene for FGF4 and FGF3, another oncogenic growth factor, are located closely on chromosome 11. Co-amplification of both genes was found in various kinds of human tumors. Studies on the mouse homolog suggested a function in bone morphogenesis and limb development through the sonic hedgehog (SHH) signaling pathway.

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References**

Yamamoto, H., et al., Oncogene 21(6):899-908 (2002). Koh, K.R., et al., Leuk. Res. 26(10):933-938 (2002). Sieuwerts, A.M., et al., Thromb. Haemost. 87(4):674-683 (2002). Lopez-Sanchez, C., et al., Cell Tissue Res. 309(2):237-249 (2002). Galland, F., et al., Cytogenet. Cell Genet. 60(2):114-116 (1992).

Name FGF4

Synonyms HST, HSTF1, KS3

Function

Plays an important role in the regulation of embryonic development, cell proliferation, and cell differentiation. Required for normal limb and cardiac valve development during embryogenesis.

Cellular Location

Secreted.

FGF4 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)