

FGF4 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP8149a**Specification**

FGF4 Antibody (N-term) Blocking Peptide - Product InformationPrimary 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.

FGF4 Antibody (N-term) Blocking Peptide - Protein InformationName FGF4 ([HGNC:3682](#))**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. May play a role in embryonic molar tooth bud development via inducing the expression of MSX1, MSX2 and MSX1-mediated expression of SDC1 in dental mesenchyme cells (By similarity).

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](#)

FGF4 Antibody (N-term) Blocking Peptide - Images

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.

FGF4 Antibody (N-term) Blocking Peptide - 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).