

# Anti-FGF4 Antibody

Catalog # ABO10524

## Product Information

---

|                          |                                                                                                                   |
|--------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB                                                                                                                |
| <b>Primary Accession</b> | <a href="#">P08620</a>                                                                                            |
| <b>Host</b>              | Rabbit                                                                                                            |
| <b>Reactivity</b>        | Human, Mouse, Rat                                                                                                 |
| <b>Clonality</b>         | Polyclonal                                                                                                        |
| <b>Format</b>            | Lyophilized                                                                                                       |
| <b>Description</b>       | Rabbit IgG polyclonal antibody for Fibroblast growth factor 4(FGF4) detection. Tested with WB in Human;Mouse;Rat. |
| <b>Reconstitution</b>    | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                              |

## Additional Information

---

|                                 |                                                                                                                                                                                           |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                  | 2249                                                                                                                                                                                      |
| <b>Other Names</b>              | 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 |
| <b>Calculated MW</b>            | 22048                                                                                                                                                                                     |
| <b>Application Details</b>      | Western blot, 0.1-0.5 µg/ml, Human, Rat, Mouse                                                                                                                                            |
| <b>Subcellular Localization</b> | Secreted .                                                                                                                                                                                |
| <b>Source</b>                   | Eukaryota                                                                                                                                                                                 |
| <b>Protein Name</b>             | Fibroblast growth factor 4(FGF-4)                                                                                                                                                         |
| <b>Contents</b>                 | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> .                                                             |
| <b>Immunogen</b>                | A synthetic peptide corresponding to a sequence in the middle region of human FGF4(84-97aa RRLYCNAVIGFHLQ), identical to the related rat and mouse sequences.                             |
| <b>Purification</b>             | Immunogen affinity purified.                                                                                                                                                              |
| <b>Cross Reactivity</b>         | No cross reactivity with other proteins                                                                                                                                                   |
| <b>Storage</b>                  | At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.        |

## Protein Information

---

|                          |                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | FGF4 ( <a href="#">HGNC:3682</a> )                                                                                                                                                                                                                                                                                                                                                 |
| <b>Function</b>          | 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). |
| <b>Cellular Location</b> | Secreted.                                                                                                                                                                                                                                                                                                                                                                          |

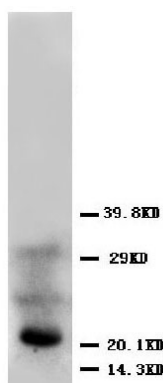
## Background

---

Fibroblast growth factor 4(FGF4), also known as Heparin Secretary Transforming(HSTF1). HST1, for which the designation HSTF1 was proposed for human gene nomenclature, is a heparin-binding growth factor with significant homology to human fibroblast growth factors and the mouse Int-2 protein. By in situ hybridization, Adelaide et al.(1988) mapped the HST gene to chromosome 11q13. The HST1 protein is a heparin-binding growth factor with significant homology with human fibroblast growth factors and the mouse Int-2 protein.

## Images

---



Anti-FGF4 antibody, ABO10524, Western blottingWB:  
HELA Cell Lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.