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# FGF4 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21146a

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | P08620 |
| **Reactivity** | Human, Mouse |
| **Predicted** | Rat, Bovine, Canine, Rabbit |
| **Host** | Rabbit |
| **Clonality** | polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB52138 |
| **Calculated MW** | 22048 |

## Additional Information

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|---|---|
| **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** | This FGF4 antibody is generated from a rabbit immunized with a recombinant protein of human FGF4. |
| **Dilution** | WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | FGF4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | 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.

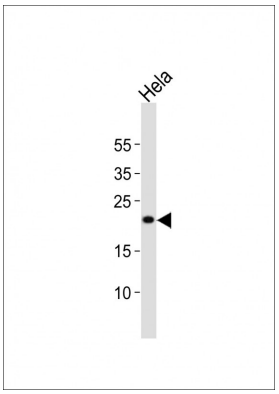
## Background

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.

## References

Mayshar Y.,et al.Stem Cells 26:767-774(2008).
Yoshida T.,et al.Proc. Natl. Acad. Sci. U.S.A. 84:7305-7309(1987).
Taira M.,et al.Proc. Natl. Acad. Sci. U.S.A. 84:2980-2984(1987).
Delli-Bovi P.,et al.Cell 50:729-737(1987).
Ornitz D.M.,et al.J. Biol. Chem. 271:15292-15297(1996).

## Images




Western blot analysis of lysate from Hela cell line, using FGF4 Antibody(Cat. #AP21146a). AP21146a was diluted at 1:4000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

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