

# **Anti-FGF4 Antibody**

Catalog # ABO10524

#### **Specification**

# **Anti-FGF4 Antibody - Product Information**

Application WB
Primary Accession P08620
Host Rabbit

Reactivity Human, Mouse, Rat

Clonality Polyclonal Lyophilized

**Description** 

Rabbit IgG polyclonal antibody for Fibroblast growth factor 4(FGF4) detection. Tested with WB in Human; Mouse; Rat.

#### Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

## **Anti-FGF4 Antibody - 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

# Calculated MW 22048 MW KDa

# **Application Details**

Western blot, 0.1-0.5 μg/ml, Human, Rat, Mouse<br>

### **Subcellular Localization**

Secreted.

### **Protein Name**

Fibroblast growth factor 4(FGF-4)

#### **Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

# **Immunogen**

A synthetic peptide corresponding to a sequence in the middle region of human FGF4(84-97aa RRLYCNVGIGFHLQ), identical to the related rat and mouse sequences.

#### **Purification**

Immunogen affinity purified.

### **Cross Reactivity**



No cross reactivity with other proteins

Storage

At -20°C for one year. After r°Constitution, 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.

## **Anti-FGF4 Antibody - Protein Information**

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** 

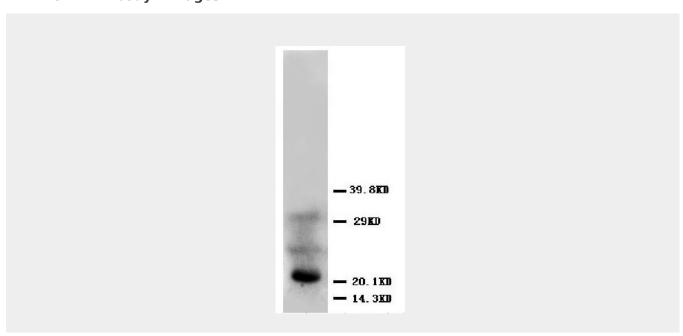
Secreted.

## **Anti-FGF4 Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# **Anti-FGF4 Antibody - Images**







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

# Anti-FGF4 Antibody - 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.