

**FGF2-T254 Antibody**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP5826A****Specification**

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**FGF2-T254 Antibody - Product Information**

Application	IHC-P, WB,E
Primary Accession	<a href="#">P09038</a>
Other Accession	<a href="#">NP_001997.5</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	232-261

**FGF2-T254 Antibody - Additional Information****Gene ID** 2247**Other Names**

Fibroblast growth factor 2, FGF-2, Basic fibroblast growth factor, bFGF, Heparin-binding growth factor 2, HBGF-2, FGF2, FGFB

**Target/Specificity**

This FGF2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 232-261 amino acids of human FGF2.

**Dilution**

IHC-P~~1:10~50

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**

FGF2-T254 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**FGF2-T254 Antibody - Protein Information****Name** FGF2

## Synonyms FGFB

**Function** Acts as a ligand for FGFR1, FGFR2, FGFR3 and FGFR4 (PubMed:[8663044](#)). Also acts as an integrin ligand which is required for FGF2 signaling (PubMed:[28302677](#)). Binds to integrin ITGAV:ITGB3 (PubMed:[28302677](#)). Plays an important role in the regulation of cell survival, cell division, cell differentiation and cell migration (PubMed:[28302677](#), PubMed:[8663044](#)). Functions as a potent mitogen in vitro (PubMed:[1721615](#), PubMed:[3732516](#), PubMed:[3964259](#)). Can induce angiogenesis (PubMed:[23469107](#), PubMed:[28302677](#)). Mediates phosphorylation of ERK1/2 and thereby promotes retinal lens fiber differentiation (PubMed:[29501879](#)).

## Cellular Location

Secreted. Nucleus. Note=Exported from cells by an endoplasmic reticulum (ER)/Golgi-independent mechanism. Unconventional secretion of FGF2 occurs by direct translocation across the plasma membrane (PubMed:20230531). Binding of exogenous FGF2 to FGFR facilitates endocytosis followed by translocation of FGF2 across endosomal membrane into the cytosol (PubMed:22321063). Nuclear import from the cytosol requires the classical nuclear import machinery, involving proteins KPNA1 and KPNB1, as well as CEP57 (PubMed:22321063)

## Tissue Location

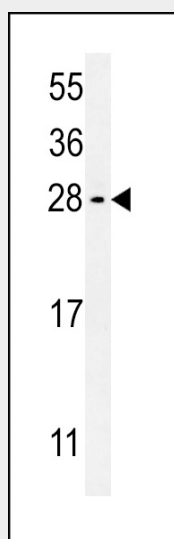
Expressed in granulosa and cumulus cells. Expressed in hepatocellular carcinoma cells, but not in non-cancerous liver tissue.

## FGF2-T254 Antibody - Protocols

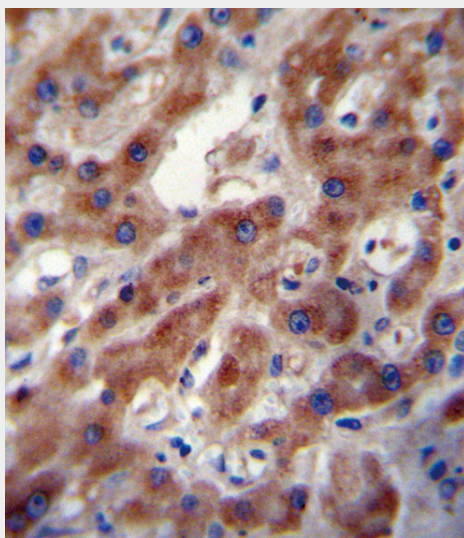
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## FGF2-T254 Antibody - Images



FGF2 Antibody (Cat. #AP5826a) western blot analysis in mouse liver tissue lysates (15ug/lane). This demonstrates the FGF2 antibody detected FGF2 protein (arrow).



FGF2-T254 antibody (Cat. #AP5826a) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of FGF2-T254 antibody for immunohistochemistry. Clinical relevance has not been evaluated.

#### **FGF2-T254 Antibody - Citations**

- [Preventive effects of Ecliptae Herba extract and its component, ecliptasaponin A, on bleomycin-induced pulmonary fibrosis in mice.](#)