

FGF2-T254 Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP5826A

Specification

FGF2-T254 Antibody - Product Information

Application
Primary Accession
Other Accession
Reactivity
Host
Clonality
Isotype
Antigen Region

WB, IHC-P,E
P09038
NP_001997.5
Human, Mouse
Rabbit
Polyclonal
Rabbit IgG
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, 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

WB~~1:1000 IHC-P~~1:10~50

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

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

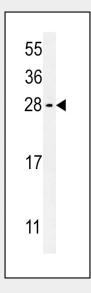
Expressed in granulosa and cumulus cells. Expressed in hepatocellular carcinoma cells, but not in non-cancerous liver tissue.

FGF2-T254 Antibody - Protocols

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

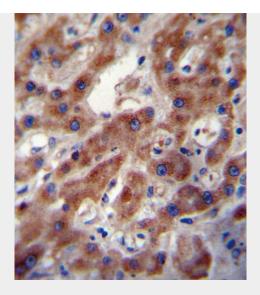
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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.