

**Anti-FGF2 Reference Antibody (HuGAL-F2)
Recombinant Antibody
Catalog # APR10526****Specification**

Anti-FGF2 Reference Antibody (HuGAL-F2) - Product Information

Application	FC, E, FTA
Primary Accession	P09038
Reactivity	Cynomolgus, Human
Clonality	Monoclonal
Isotype	IgG2
Calculated MW	150 KDa

Anti-FGF2 Reference Antibody (HuGAL-F2) - Additional Information**Target/Specificity**
FGF2**Endotoxin**
< 0.001EU/ µg, determined by LAL method.**Conjugation**
Unconjugated**Expression system**
CHO Cell**Format**
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.**Storage**
-80°C for 2 years under sterile conditions □ -20°C for 1 year under sterile conditions □ Avoid repeated freeze-thaw cycles.**Anti-FGF2 Reference Antibody (HuGAL-F2) - Protein Information****Name** FGF2**Synonyms** FGFB**Function**
Acts as a ligand for FGFR1, FGFR2, FGFR3 and FGFR4 (PubMed: [8663044](http://www.uniprot.org/citations/8663044)). Also acts as an integrin ligand which is required for FGF2 signaling (PubMed: [28302677](http://www.uniprot.org/citations/28302677)). Binds to integrin ITGAV:ITGB3 (PubMed: [28302677](http://www.uniprot.org/citations/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

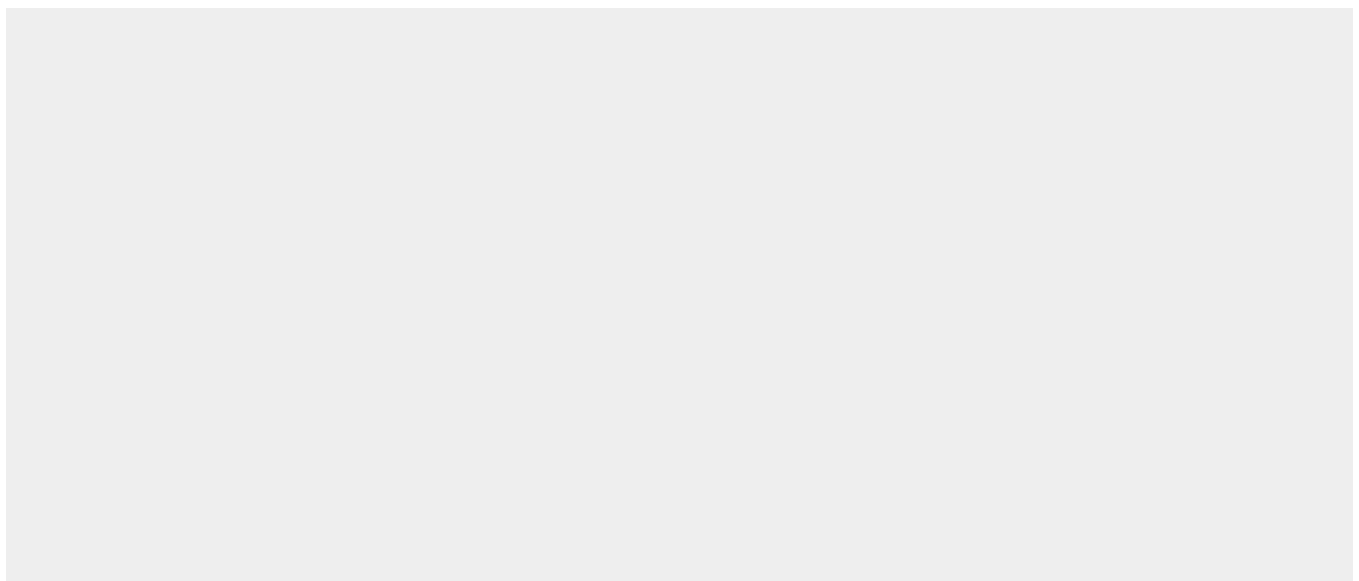
Expressed in granulosa and cumulus cells. Expressed in hepatocellular carcinoma cells, but not in non-cancerous liver tissue.

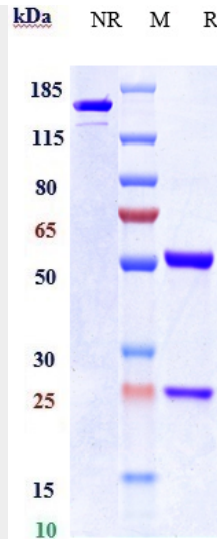
Anti-FGF2 Reference Antibody (HuGAL-F2) - Protocols

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

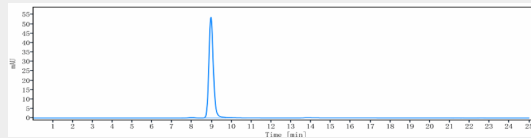
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-FGF2 Reference Antibody (HuGAL-F2) - Images





Anti-FGF2 Reference Antibody (HuGAL-F2) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-FGF2 Reference Antibody (HuGAL-F2) is more than 95% ,determined by SEC-HPLC.