

Anti-FGF2 Reference Antibody (HuGAL-F2)

Recombinant Antibody
Catalog # APR10526

Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	P09038
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2
Calculated MW	30770

Additional Information

Target/Specificity	FGF2
Endotoxin 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.

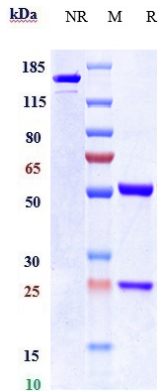
Protein Information

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

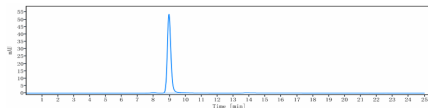
Tissue Location

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

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.

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