

FGF2 Rabbit mAb

Catalog # AP74819

Product Information

Application	WB
Primary Accession	P09038
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	30770

Additional Information

Gene ID	2247
Other Names	FGF2
Dilution	WB~~1/500-1/1000
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

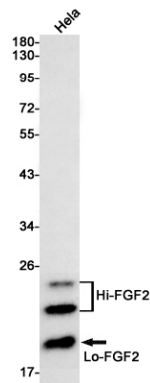
Name	FGF2
Synonyms	FGFB
Function	Acts as a ligand for FGFR1, FGFR2, FGFR3 and FGFR4 (PubMed: 8663044). Also acts as an integrin ligand which is required for FGF2 signaling (PubMed: 28302677). Binds to integrin ITGAV:ITGB3 (PubMed: 28302677). Plays an important role in the regulation of cell survival, 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.

Images



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