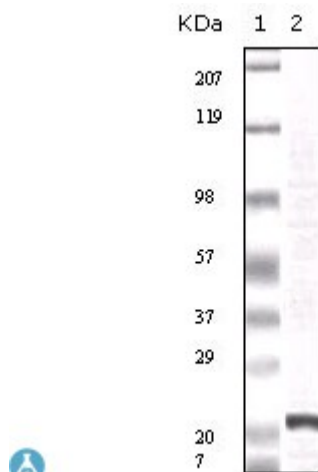


Anti-FGF-2 antibody



Description	Mouse monoclonal to FGF-2.
Model	STJ98067
Host	Mouse
Reactivity	Human
Applications	ELISA, IHC, WB
Immunogen	Purified recombinant fragment of FGF-2 expressed in E. Coli.
Gene ID	2247
Gene Symbol	FGF2
Dilution range	WB 1:500-1:2000IHC 1:200-1:1000ELISA 1:10000
Specificity	FGF-2 Monoclonal Antibody detects endogenous levels of FGF-2 protein.
Tissue Specificity	Expressed in granulosa and cumulus cells. Expressed in hepatocellular carcinoma cells, but not in non-cancerous liver tissue.
Purification	Affinity purification
Clone ID	2H5G2C11
Note	For Research Use Only (RUO).
Protein Name	Fibroblast growth factor 2 FGF-2 Basic fibroblast growth factor bFGF Heparin-binding growth factor 2 HBGF-2
Clonality	Monoclonal
Conjugation	Unconjugated

Formulation	Ascitic fluid containing 0.03% sodium azide.
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:3676OMIM:134920
Alternative Names	Fibroblast growth factor 2 FGF-2 Basic fibroblast growth factor bFGF Heparin-binding growth factor 2 HBGF-2
Function	Plays an important role in the regulation of cell survival, cell division, angiogenesis, cell differentiation and cell migration. Functions as potent mitogen in vitro. Can induce angiogenesis .
Cellular Localization	Secreted. Nucleus. Exported from cells by an endoplasmic reticulum (ER)/Golgi-independent mechanism. Unconventional secretion of FGF2 occurs by direct translocation across the plasma membrane. Binding of exogenous FGF2 to FGFR facilitates endocytosis followed by translocation of FGF2 across endosomal membrane into the cytosol. Nuclear import from the cytosol requires the classical nuclear import machinery, involving proteins KPNA1 and KPNB1, as well as CEP57.
Post-translational Modifications	Phosphorylation at Tyr-215 regulates FGF2 unconventional secretion. Several N-termini starting at positions 94, 125, 126, 132, 143 and 162 have been identified by direct sequencing.

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