

FGF2 Rabbit mAb
Catalog # AP78619**Specification**

FGF2 Rabbit mAb - Product Information

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

FGF2 Rabbit mAb - Additional Information

Gene ID 2247

Other Names

FGF2

Format

Liquid

FGF2 Rabbit mAb - 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](http://www.uniprot.org/citations/28302677), PubMed:[8663044](http://www.uniprot.org/citations/8663044)). Functions as a potent mitogen in vitro (PubMed:[1721615](http://www.uniprot.org/citations/1721615), PubMed:[3732516](http://www.uniprot.org/citations/3732516), PubMed:[3964259](http://www.uniprot.org/citations/3964259)). Can induce angiogenesis (PubMed:[23469107](http://www.uniprot.org/citations/23469107), PubMed:[28302677](http://www.uniprot.org/citations/28302677)). Mediates phosphorylation of ERK1/2 and thereby promotes retinal lens fiber differentiation (PubMed:[29501879](http://www.uniprot.org/citations/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.

FGF2 Rabbit mAb - 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](#)

FGF2 Rabbit mAb - Images