

b-FGF Antibody

Mouse Monoclonal Antibody (Mab)

Catalog # AD80276

Product Information

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|-------------------|------------------------|
| Application | IHC |
| Primary Accession | P09038 |
| Reactivity | Human |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype | IgG1 |
| Clone Names | 223A7B2 |
| Calculated MW | 30770 |

Additional Information

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|-------------|--|
| Gene ID | 2247 |
| Gene Name | FGF2 |
| Other Names | Fibroblast growth factor 2, FGF-2, Basic fibroblast growth factor, bFGF, Heparin-binding growth factor 2, HBGF-2, FGF2, FGFB |
| Dilution | IHC~~1:100~500 |
| Storage | Maintain refrigerated at 2-8°C. |
| Precautions | b-FGF Antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

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|-------------------|--|
| 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.