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FGF-2 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10787

Specification

FGF-2 Antibody - Product Information

Application	**WB, E**
Primary Accession	P13109
Reactivity	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**17139**

FGF-2 Antibody - Additional Information

Gene ID 54250

Positive Control	**Recombinant rat FGF-2**
Application & Usage	**Western blot analysis (0.5-4 µg/ml). However, the optimal conditions should be determined individually.**

Other Names
FGF2, FGF-2, FGF 2, Fibroblast Growth Factor 2, FGF 2, FGF2, Heparin-binding growth factor 2, HBGF-2, Basic fibroblast growth factor, bFGF, Putative heparin-binding growth factor 2, Kidney-derived growth factor

Target/Specificity
FGF-2

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µg (0.5 mg/ml) affinity purified rabbit anti-FGF-2 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5mM EDTA and 0.01% thimerosal.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions

FGF-2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

FGF-2 Antibody - Protein Information

Name Fgf2

Synonyms Fgf-2

Function
Acts as a ligand for FGFR1, FGFR2, FGFR3 and FGFR4 (By similarity). Also acts as an integrin ligand which is required for FGF2 signaling (By similarity). Binds to integrin ITGAV:ITGB3 (By similarity). Plays an important role in the regulation of cell survival, cell division, cell differentiation and cell migration (By similarity). Functions as a potent mitogen in vitro (By similarity). Can induce angiogenesis (By similarity). Mediates phosphorylation of ERK1/2 and thereby promotes retinal lens fiber differentiation (By similarity).

Cellular Location
Secreted {ECO:0000250|UniProtKB:P09038}. Nucleus {ECO:0000250|UniProtKB:P09038}. Note=Exported from cells by an endoplasmic reticulum (ER)/Golgi-independent mechanism (By similarity) Unconventional secretion of FGF2 occurs by direct translocation across the plasma membrane (By similarity). Binding of exogenous FGF2 to FGFR facilitates endocytosis followed by translocation of FGF2 across endosomal membrane into the cytosol (By similarity). Nuclear import from the cytosol requires the classical nuclear import machinery, involving proteins KPNA1 and KPNB1, as well as CEP57 (By similarity) {ECO:0000250|UniProtKB:P09038}

Tissue Location
Found in all tissues examined.

FGF-2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FGF-2 Antibody - Images

FGF-2 Antibody - Background

FGF-2 is a basic heparin binding growth factor that stimulates the proliferation of a wide variety of cells including mesenchymal, neuroectodermal and endothelial cells. Human FGF-2 is a 17.2 kDa protein containing 154 amino acid residues.