



# Mouse anti-Human basic FGF monoclonal antibody, clone 7GHG (CABT-B9179)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	Human bFGF aa. 1-155
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human, Mouse, Rat, Dog, Chicken
<b>Clone</b>	7GHG
<b>Purification</b>	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB; IF; IHC; IP
<b>Format</b>	Liquid
<b>Concentration</b>	250 µg/ml
<b>Size</b>	50 µg, 150 µg
<b>Buffer</b>	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.
<b>Storage</b>	Store undiluted at -20°C.

## BACKGROUND

<b>Introduction</b>	Basic Fibroblast Growth Factor (bFGF) is a family member of the cell-differentiating and growth
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promoting factors. Basic FGF exists as multiple isoforms ranging from 18-24kDa that are derived from a single mRNA species under unique translational conditions. The 18kDa isoform is primarily cytosolic, but is also secreted and may form reservoirs of bFGF in the extracellular matrix. In contrast, the larger isoforms are predominantly nuclear. At the cellular level, bFGF is a potent mitogen and promotes cell survival by inhibiting apoptosis. At the tissue level, it is involved in wound repair and induces angiogenesis. In addition, bFGF is a significant target in cancer research because it is over-expressed in some cancers and may enhance a tumor's metastatic potential.

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<b>Keywords</b>	FGF1; fibroblast growth factor 1 (acidic); AFGF; ECGF; FGFA; ECGFA; ECGFB; FGF-1; HBGF1; HBGF-1; GLIO703; ECGF-beta; FGF-alpha; fibroblast growth factor 1; heparin-binding growth factor 1; beta-endothelial cell growth factor; endothelial cell growth factor, beta; endothelial cell growth factor, alpha;
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## GENE INFORMATION

Entrez Gene ID [2246](#)

UniProt ID [P05230](#)