

# FGF2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21239a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P09038</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB52659
<b>Calculated MW</b>	30770

## Additional Information

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<b>Gene ID</b>	2247
<b>Other Names</b>	Fibroblast growth factor 2, FGF-2, Basic fibroblast growth factor, bFGF, Heparin-binding growth factor 2, HBGF-2, FGF2, FGFB
<b>Target/Specificity</b>	This FGF2 antibody is generated from a rabbit immunized with a recombinant protein.
<b>Dilution</b>	WB~~1:2000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	FGF2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	FGF2
<b>Synonyms</b>	FGFB
<b>Function</b>	Acts as a ligand for FGFR1, FGFR2, FGFR3 and FGFR4 (PubMed: <a href="#">8663044</a> ). Also acts as an integrin ligand which is required for FGF2 signaling (PubMed: <a href="#">28302677</a> ). Binds to integrin ITGAV:ITGB3 (PubMed: <a href="#">28302677</a> ). 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.

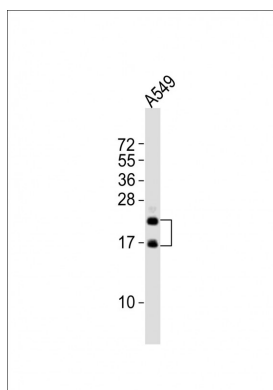
## Background

Plays an important role in the regulation of cell survival, cell division, angiogenesis, cell differentiation and cell migration. Functions as potent mitogen in vitro.

## References

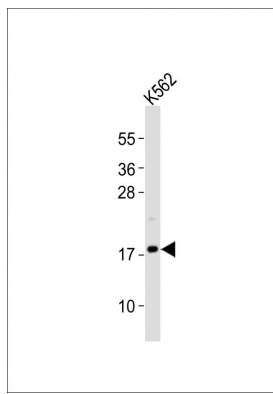
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## Images



Anti-FGF2 Antibody at 1:2000 dilution + A549 whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 31 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

Anti-FGF2 Antibody at 1:2000 dilution + K562 whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 31 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



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