

## ARG44660 anti-FGF basic antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody recognizes FGF basic
Tested Reactivity	Hu
Tested Application	ELISA, IHC-P, IP, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	FGF basic
Species	Human
Conjugation	Un-conjugated
Alternate Names	FGF2; Fibroblast Growth Factor 2; FGFB; Fibroblast Growth Factor 2 (Basic); Heparin-Binding Growth Factor 2; HBGF-2; FGF-2; BFGF; Basic Fibroblast Growth Factor BFGF; Basic Fibroblast Growth Factor; Prostatropin

### Application Instructions

Application table	Application	Dilution
	ELISA	5 µg/mL
	IHC-P	2 µg/mL
	IP	10 µg/mL
	WB	1 µg/mL

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

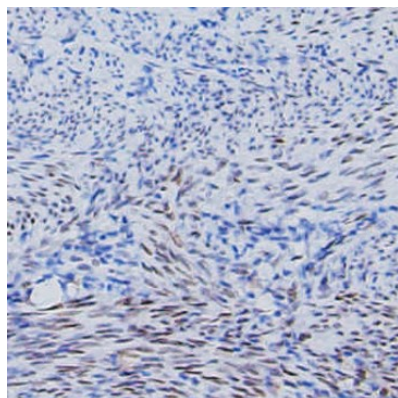
Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	FGF2
Gene Full Name	Fibroblast Growth Factor 2
Background	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. This protein has been implicated in diverse biological processes, such as limb and nervous system development, wound healing, and tumor growth. The mRNA for this gene contains multiple polyadenylation sites, and is alternatively translated from non-AUG (CUG) and AUG initiation codons, resulting in five different isoforms with distinct properties. The CUG-initiated isoforms are localized in the nucleus and are responsible for the intracrine effect, whereas, the AUG-initiated form is mostly cytosolic and is responsible for the paracrine and autocrine effects of this FGF. [provided by RefSeq, Jul 2008]
Function	Plays an important role in the regulation of cell survival, cell division, cell differentiation and cell migration.  Mediates phosphorylation of ERK1/2 and thereby promotes retinal lens fiber differentiation. [UniProt]
Calculated Mw	31 kDa
PTM	Isopeptide bond, Methylation, Phosphoprotein, Ubl conjugation. [UniProt]
Cellular Localization	Nucleus, Secreted. [UniProt]

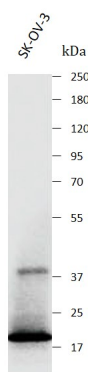
## Images

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ARG44660 anti-FGF basic antibody IHC-P image

Immunohistochemistry: Human Uterus stained with ARG44660 anti-FGF basic antibody at 2 µg/mL dilution.



ARG44660 anti-FGF basic antibody WB image

Western blot: SK-OV-3 stained with ARG44660 anti-FGF basic antibody at 1 µg/mL dilution.

ARG44660 anti-FGF basic antibody IP image

Immunoprecipitation: SK-OV-3 lysate immunoprecipitated with 2.5  $\mu$ g of ARG44660 anti-FGF basic antibody.

