

# Product Datasheet

## FGF basic/FGF2/bFGF Antibody - Azide and BSA Free **NB600-1536**

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NB600-1536**

FGF basic/FGF2/bFGF Antibody - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	LYOPH mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	For the 0.1ml size we recommend reconstitution with 0.1ml deionized water. Rotate vial gently until powder dissolves. The 0.025ml size is provided in liquid format.
<b>Isotype</b>	IgG
<b>Purity</b>	Sterile filtered
<b>Buffer</b>	Lyophilized from 0.2 um filtered solution in 10mM PBS (pH 7.2)

**Product Description**

<b>Description</b>	Novus Biologicals Rabbit FGF basic/FGF2/bFGF Antibody - Azide and BSA Free (NB600-1536) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-FGF basic/FGF2/bFGF Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	2247
<b>Gene Symbol</b>	FGF2
<b>Species</b>	Human, Rat, Bovine, Equine
<b>Reactivity Notes</b>	Equine reactivity reported in scientific literature (PMID: 24035195).
<b>Specificity/Sensitivity</b>	Does not cross react with bovine FGF Acidic or bovine serum albumin.
<b>Immunogen</b>	Synthetic peptide conjugated to KLH, corresponding to amino acids 1-24 of Cow FGF2.

**Product Application Details**

<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:1000, ELISA indirect, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
<b>Application Notes</b>	Bioactivity: Anti-FGF basic (1-24) was tested in cell culture using fetal bovine heart endothelial cells (ATCC CRL 1395) plated at low cell density. Various dilutions of Anti-FGF basic(1-24) were pre incubated at 37 C with FGF basic or FGF acidic for 2 hours. Anti-FGF basic (1-24) caused a dose-dependent decrease in the mitogenic activity of FGF basic such that a final dilution of 1:50 neutralized the bioactivity of 1 unit of FGF basic.

## Publications

Hu H, Li W, Wei Y et al. Garcinoic Acid Improves Cardiac Function and Enhances Angiogenesis Following Myocardial Infarction Research Square 2021-02-12

Katta K, Boersema M, Adepu S et al. Renal Heparan Sulfate Proteoglycans Modulate Fibroblast Growth Factor 2 Signaling in Experimental Chronic Transplant Dysfunction. Am J Pathol. 2013-09-11 [PMID: 24035513] (ELISA, Rat)

de Ruijter-Villani M, van Boxtel PR, Stout TA. Fibroblast growth factor-2 expression in the preimplantation equine conceptus and endometrium of pregnant and cyclic mares. Theriogenology. 2013-09-11 [PMID: 24035195] (IHC-P, Horse)



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## Products Related to NB600-1536

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-34921-10ug	Recombinant Human FGF basic/FGF2/bFGF Protein

## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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