

# Product Datasheet

## IGF-I/IGF-1 Antibody - BSA Free NBP2-16929

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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Updated 12/17/2025 v.20.1

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**NBP2-16929**

IGF-I/IGF-1 Antibody - BSA Free

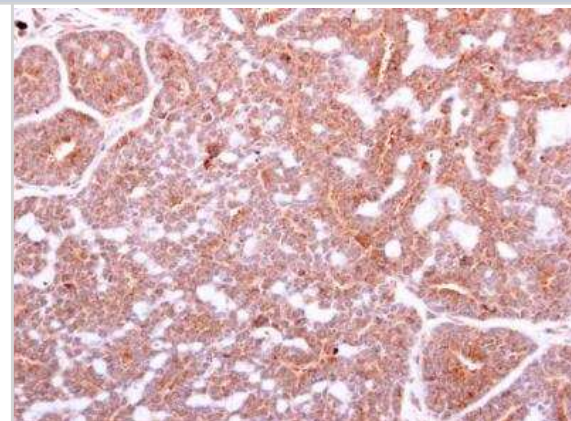
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS, 20% Glycerol
<b>Target Molecular Weight</b>	22 kDa

Product Description	
<b>Description</b>	Novus Biologicals Rabbit IGF-I/IGF-1 Antibody - BSA Free (NBP2-16929) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-IGF-I/IGF-1 Antibody: Cited in 10 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	3479
<b>Gene Symbol</b>	IGF1
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Armadillo (100%), Xenopus laevis (80%), Rabbit (82%), Chicken (85%).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human IGF-I/IGF-1. The exact sequence is proprietary.

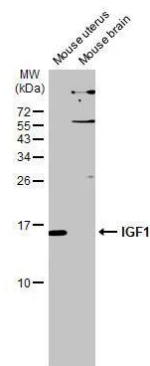
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

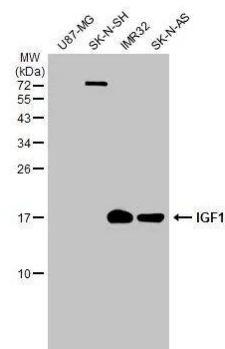
Immunohistochemistry-Paraffin: IGF-I/IGF-1 Antibody [NBP2-16929] - Human breast carcinoma. IGF1 antibody diluted at 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



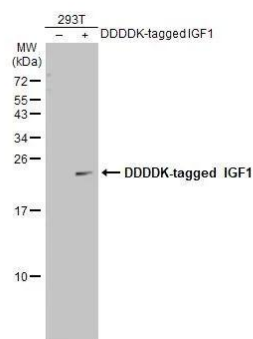
Various tissue extracts (50 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with IGF1 antibody (NBP2-16929) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Various whole cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with IGF1 antibody (NBP2-16929) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with IGF1 antibody (NBP2-16929) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



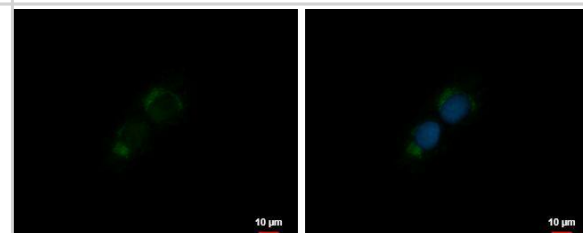
IGF1 antibody detects IGF1 protein at Golgi apparatus membrane by immunofluorescent analysis.

Sample: SKNSH cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: IGF1 protein stained by IGF1 antibody (NBP2-16929) diluted at 1:500.

Blue: Hoechst 33342 staining.

Scale bar = 10 um.



## Publications

Luo M, Zeng Q, Jiang K et al. Estrogen deficiency exacerbates learning and memory deficits associated with glucose metabolism disorder in APP/PS1 double transgenic female mice *Genes & Diseases* 2022-09-01 [PMID: 35873026]

Ladraa S, Zerbib L, Bayard C et al. PIK3CA gain-of-function mutation in adipose tissue induces metabolic reprogramming with Warburg-like effect and severe endocrine disruption *Science advances* 2022-12-09 [PMID: 36490341]

Shymaa M. El-Komy, Ayman A. Saleh, Tamer M. Abdel-Hamid, Mohammed A. El-Magd Association of GHR Polymorphisms with Milk Production in Buffaloes Animals : an Open Access Journal from MDPI 2020-07-15 [PMID: 32679878]

Suzuki T, Scala F, Demetrius DL et al. IL-15 Prolongs Anagen, Stimulates Proliferation, and Suppresses Apoptosis in the Hair Matrix of Human Scalp Hair Follicles *The Journal of investigative dermatology* 2023-08-04 [PMID: 37543243]

Shamardi HAMA, Ibrahim NA, Merzeban DH et al. Resveratrol and Dulaglutide ameliorate adiposity and liver dysfunction in rats with diet-induced metabolic syndrome: Role of SIRT-1 / adipokines / PPAR $\alpha$  and IGF-1 *Daru : journal of Faculty of Pharmacy, Tehran University of Medical Sciences* 2023-03-29 [PMID: 36991247] (IHC, Rat)

Jia ZQ, Zuo C, Yue WF Kurarinone alleviates hemin-induced neuroinflammation and microglia-mediated neurotoxicity by shifting microglial M1/M2 polarization via regulating the IGF1/PI3K/Akt signaling *The Kaohsiung journal of medical sciences* 2022-09-28 [PMID: 36169245] (WB, Human)

### Details:

Dilution used in WB 1:1000

Song J, Hao L, Wei W et al. A SNP in the 3'UTR of porcine IGF-1 gene interacts with miR-new14 to affect IGF-1 expression, proliferation and apoptosis of PK-15 cell *Domest Anim Endocrinol* 2020-03-15 [PMID: 32171113]

Yan X, Managlia E, Zhao YY et al. Macrophage-derived IGF-1 protects the neonatal intestine against necrotizing enterocolitis by promoting microvascular development *Communications biology* 2022-04-06 [PMID: 35388142] (WB, Mouse)

MaihOfer J, Madry H, Rey-Rico A et al. Hydrogel-Guided, rAAV-Mediated IGF-I Overexpression Enables Long-Term Cartilage Repair and Protection against Perifocal Osteoarthritis in a Large-Animal Full-Thickness Chondral Defect Model at One Year In Vivo *Advanced materials (Deerfield Beach, Fla.)* 2021-03-18 [PMID: 33734514] (IF/IHC)

Lin CW Jan MS Kuo JH. Exploring MicroRNA Expression Profiles Related to the mTOR Signaling Pathway in Mouse Embryonic Fibroblast Cells Treated with Polyethylenimine. *Mol Pharm.* [PMID: 26158199]





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### **Products Related to NBP2-16929**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **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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