

Product Datasheet

IGF-I/IGF-1 Antibody NBP2-16929

Unit Size: 0.1 ml

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

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NBP2-16929**IGF-I/IGF-1 Antibody****Product Information**

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

Product Description

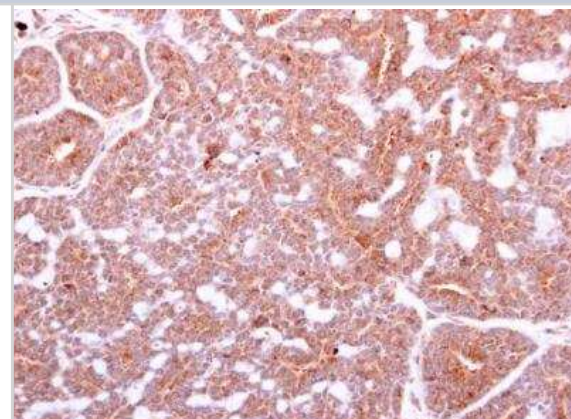
Host	Rabbit
Gene ID	3479
Gene Symbol	IGF1
Species	Human, Mouse
Reactivity Notes	Armadillo (100%), Xenopus laevis (80%), Rabbit (82%), Chicken (85%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human IGF-I/IGF-1. The exact sequence is proprietary.

Product Application Details

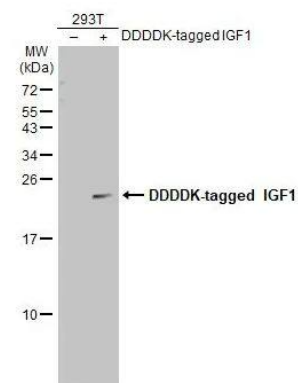
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

Images

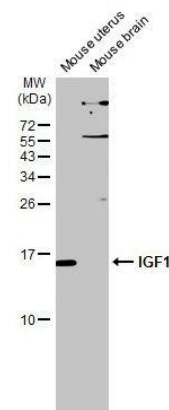
Immunohistochemistry-Paraffin: IGF-I/IGF-1 Antibody [NBP2-16929] - Human breast carcinoma. IGF1 antibody diluted at 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



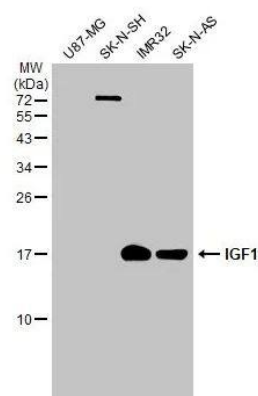
Western Blot: IGF-I/IGF-1 Antibody [NBP2-16929] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with IGF1 antibody diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



Western Blot: IGF-I/IGF-1 Antibody [NBP2-16929] - Various tissue extracts (50 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with IGF1 antibody diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



Western Blot: IGF-I/IGF-1 Antibody [NBP2-16929] - Various whole cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with IGF1 antibody diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



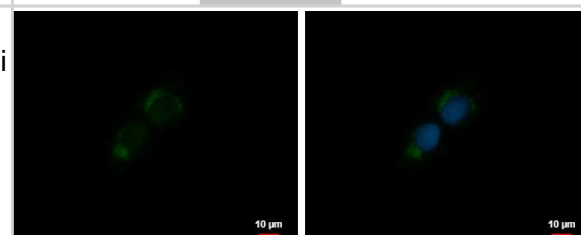
Immunocytochemistry/ Immunofluorescence: IGF-I/IGF-1 Antibody [NBP2-16929] - IGF-I/IGF-1 antibody detects IGF-I/IGF-1 protein at Golgi apparatus membrane by immunofluorescent analysis.

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

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

Blue: Hoechst 33342 staining.

Scale bar = 10 um.



Publications

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]

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] (Western Blot)

Shamardl 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 γ 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

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-35000-100ug	Recombinant Human IGF-I/IGF-1 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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