

Product Datasheet

IGF-I/IGF-1 Antibody (IGF1/1020)

NBP2-44968-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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IGF-I/IGF-1 Antibody (IGF1/1020)

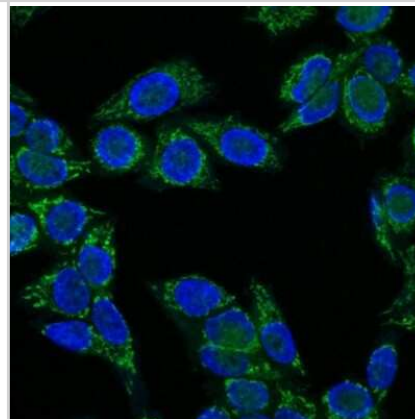
Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	IGF1/1020
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	7.6 kDa

Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-48001) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Mouse
Gene ID	3479
Gene Symbol	IGF1
Species	Human, Mouse, Rat, Rabbit
Specificity/Sensitivity	This antibody is specific to Insulin-like Growth Factor (IGF-1) and shows minimal cross-reaction with IGF-11, Proinsulin, MSF, and Insulin. IGF-1 is a polypeptide growth factor with two isoforms that are produced by alternative splicing. Isoform 1 is also known as IGF-IB while isoform 2 is known as IGF-IA. IGF-1 stimulates the proliferation of a wide range of cell types including muscle, bone and cartilage tissue. It functions as an autocrine regulator of growth. Activation of IGF system has emerged as a key factor for tumor progression and resistance to apoptosis in many cancers like those of breast, thyroid and colon.
Immunogen	Recombinant full-length human IGF-I/IGF-1 protein (Uniprot: P05019)

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, In vitro assay
Recommended Dilutions	Flow Cytometry 1-2 ug/million cells, Immunocytochemistry/ Immunofluorescence 1-4 ug/ml, In vitro assay
Application Notes	In-vitro Neutralization of Biological Activity of IGF-I/IGF-1: Order Ab without Azide. Optimal dilution for a specific application should be determined.

Images

Immunocytochemistry/Immunofluorescence: IGF-I/IGF-1 Antibody (IGF1/1020) [NBP2-44968] - Immunofluorescence Analysis of HeLa cells labeling IGF-1 with IGF-I/IGF-1 Antibody (IGF1/1020) labeled with CF647R (Green). Nuclei are counter stained with DAPI (Blue).



Publications

Qiu M, Tulufu N, Tang G et al. Black Phosphorus Accelerates Bone Regeneration Based on Immunoregulation Advanced science (Weinheim, Baden-Wuerttemberg, Germany) 2023-11-12 [PMID: 37953457] (IHC-P, Rat)



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Products Related to NBP2-44968-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
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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