

Product Datasheet

IGF-I/IGF-1 Antibody (SPM406)

NBP2-34361-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-34361-0.1mg

IGF-I/IGF-1 Antibody (SPM406)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	SPM406
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. (NBP2-34409) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
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	Purified human IGF-I/IGF-1 protein (Uniprot: P05019)

Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, In vitro assay
Recommended Dilutions	Western Blot 0.5-1.0ug/ml, Flow Cytometry 1-2 ug/million cells, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, In vitro assay
Application Notes	ELISA: For coating, purchase antibody without BSA. Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 min at RT. In-vitro Neutralization of Biological Activity of IGF-I/IGF-1: Order Ab without Azide. Optimal dilution for a specific application should be determined.



Publications

Jia J, Zheng L, Ye L et al. CD11c+ microglia promote white matter repair after ischemic stroke Cell death & disease 2023-02-24 [PMID: 36828819] (IHC, Mouse)

Gong P, Zou Y, Zhang W Et al. The neuroprotective effects of Insulin-Like Growth Factor 1 via the Hippo/YAP signaling pathway are mediated by the PI3K/AKT cascade following cerebral ischemia/reperfusion injury Brain research bulletin 2021-10-27 [PMID: 34717965] (IHC-P, Human)

Chen H, Zhu Y, Zhao X Prenatal ethanol exposure increased the susceptibility of adult offspring rats to glomerulosclerosis Toxicol. Lett. 2019-12-04 [PMID: 31811911] (WB, Rat)

Zhang G, Zhou J, Huang W, et al. Prenatal ethanol exposure-induced a low level of foetal blood cholesterol and its mechanism of IGF1-related placental cholesterol transport dysfunction Toxicology 2019-06-18 [PMID: 31226463] (WB, FLOW, Rat)

He, H;Xiong, Y;Li, B;Zhu, Y;Chen, H;Ao, Y;Wang, H; Intrauterine programming of the glucocorticoid-insulin-like growth factor 1 (GC-IGF1) axis mediates glomerulosclerosis in female adult offspring rats induced by prenatal ethanol exposure Toxicol. Lett. 2019-04-27 [PMID: 31039417] (WB, Rat)





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Products Related to NBP2-34361-0.1mg

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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