

Product Datasheet

IGF-1 Antibody (orb750208)

Catalog Number	orb750208
Category	Antibodies
Description	<p>This antibody is specific to Insulin-like Growth Factor (IGF1) and shows minimal cross-reaction with IGF-11, Proinsulin, MSF, and Insulin. IGF1 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. IGF1 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.</p>
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
Purification	Protein G affinity chromatography
Immunogen	Purified human IGF1 protein was used as the immunogen for this IGF-1 antibody.
UniProt ID	P05019
Tested applications	IHC-P
Dilution range	Immunohistochemistry (FFPE): 1-2ug/ml (1)

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Application notes	The optimal dilution of the IGF-1 antibody for each application should be determined by the researcher. 1. Required HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.
Antibody Type	Primary Antibody
Clone Number	SPM406
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.

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