IGF-1 Antibody [clone SPM406] (V9027)

Catalog No.	Formulation	Size
V9027-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V9027-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V9027SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SPM406
Purity	Protein G affinity chromatography
UniProt	P05019
Localization	Cytoplasmic (Secreted)
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml (1)
Limitations	This IGF-1 antibody is available for research use only.

Description

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.

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.

Immunogen

Purified human IGF1 protein was used as the immunogen for this IGF-1 antibody.

Storage

Store the IGF-1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).