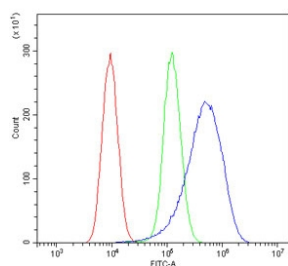


## IGF-1 Antibody (RQ6099)

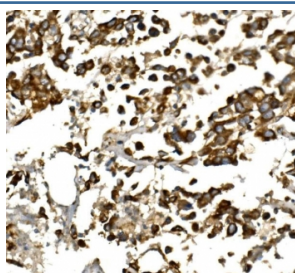
Catalog No.	Formulation	Size
RQ6099	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	P05019
<b>Applications</b>	Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells ELISA (Capture) : 1-5ug/ml
<b>Limitations</b>	This IGF-1 antibody is available for research use only.



Flow cytometry testing of human HeLa cells with IGF-1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= IGF-1 antibody.



IHC staining of FFPE human pancreatic cancer with IGF-1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

## Description

Insulin-like growth factor 1 (IGF-1) also known as somatomedin C or mechano growth factor is a protein that in humans is encoded by the IGF1 gene. IGF-1 is a hormone similar in molecular structure to insulin. It plays an important role in childhood growth and continues to have anabolic effects in adults. A synthetic analog of IGF-1, mecasermin is used for the treatment of growth failure. IGF-1 consists of 70 amino acids in a single chain with three intramolecular disulfide bridges. IGF-1 has a molecular weight of 7649 daltons. Justice et al.(1990) placed the mouse IGF1 gene on chromosome 10.

## Application Notes

Optimal dilution of the IGF-1 antibody should be determined by the researcher.

## Immunogen

A human recombinant partial protein (amino acids P50-A118) was used as the immunogen for the IGF-1 antibody.

## Storage

After reconstitution, the IGF-1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.