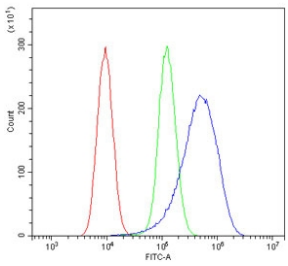
IGF-1 Antibody (RQ6099)

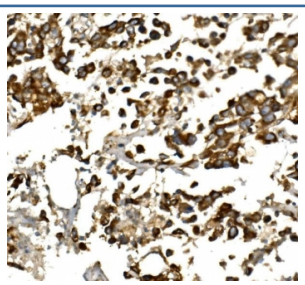
Catalog No.	Formulation	Size
RQ6099	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P05019
Applications	Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells ELISA (Capture) : 1-5ug/ml
Limitations	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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.