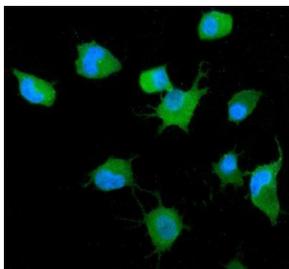


GRB14 Antibody (RQ5732)

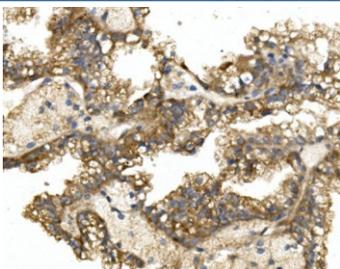
Catalog No.	Formulation	Size
RQ5732	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

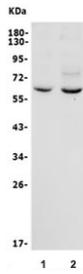
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q14449
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry : 1-2ug/ml Flow Cytometry : 1-3ug/million cells Immunofluorescence : 2-4ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This GRB14 antibody is available for research use only.



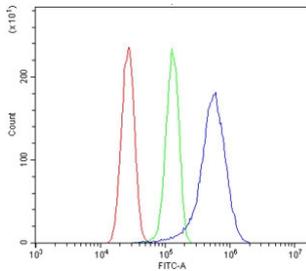
Immunofluorescent staining of FFPE human A549 cells with GRB14 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



IHC staining of FFPE human renal cancer with GRB14 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) A549 and 2) HEK293 cell lysate with GRB14 antibody.
Predicted molecular weight ~61 kDa.



Flow cytometry testing of human U-87 MG cells with GRB14 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= GRB14 antibody.

Description

Growth factor receptor-bound protein 14 is a protein that in humans is encoded by the GRB14 gene. The product of this gene belongs to a small family of adapter proteins that are known to interact with a number of receptor tyrosine kinases and signaling molecules. This gene encodes a growth factor receptor-binding protein that interacts with insulin receptors and insulin-like growth-factor receptors. This protein likely has an inhibitory effect on receptor tyrosine kinase signaling and, in particular, on insulin receptor signaling. This gene may play a role in signaling pathways that regulate growth and metabolism. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the GRB14 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-Q246) was used as the immunogen for the GRB14 antibody.

Storage

After reconstitution, the GRB14 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.