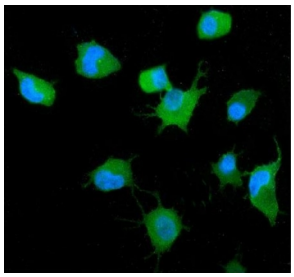
# GRB14 Antibody (RQ5732)

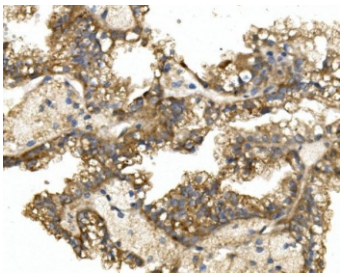
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ5732 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

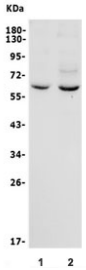
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Affinity purified |
| **Buffer** | Lyophilized from 1X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



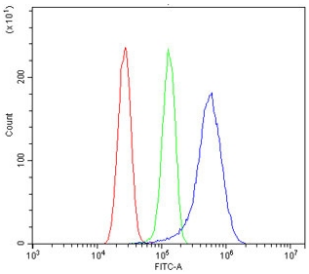
GRB14 Antibody Human A549 Cell IF. Immunofluorescent staining of FFPE human A549 cells with GRB14 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



GRB14 Antibody Human Renal Cancer IHC. Immunohistochemistry 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.




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




GRB14 Antibody Human U-87 MG FACS. 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

GRB14 Antibody detects Growth factor receptor-bound protein 14, 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.

This antibody is part of a broader antibody panel offered by NSJ Bioreagents.

## 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.

## Alternate Names

GRB14 antibody, Growth factor receptor-bound protein 14 antibody

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