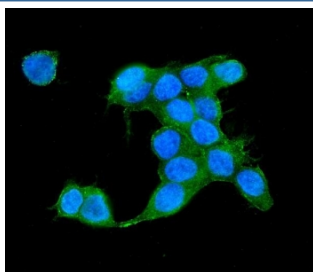


## IQGAP2 Antibody (RQ4140)

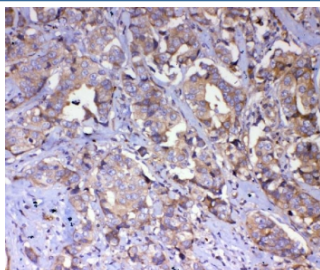
| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| RQ4140      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

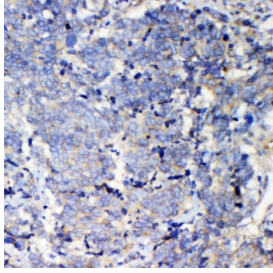
|                           |                                                                                                                                                                                    |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                                                                                                                                  |
| <b>Species Reactivity</b> | Human, Mouse                                                                                                                                                                       |
| <b>Format</b>             | Antigen affinity purified                                                                                                                                                          |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                                                                                                                                         |
| <b>Isotype</b>            | Rabbit IgG                                                                                                                                                                         |
| <b>Purity</b>             | Antigen affinity purified                                                                                                                                                          |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide                                                                                                                  |
| <b>UniProt</b>            | Q13576                                                                                                                                                                             |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml<br>Immunohistochemistry (FFPE) : 1-2ug/ml<br>Immunofluorescence (FFPE) : 2-4ug/ml<br>Flow Cytometry : 1-3ug/million cells<br>Direct ELISA : 0.1-0.5ug/ml |
| <b>Limitations</b>        | This IQGAP2 antibody is available for research use only.                                                                                                                           |



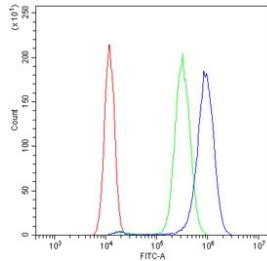
Immunofluorescent staining of FFPE human MCF7 cells with IQGAP2 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



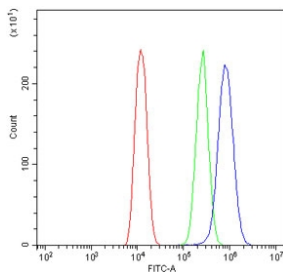
IHC staining of FFPE human breast cancer with IQGAP2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



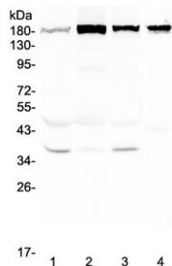
IHC staining of FFPE human lung cancer with IQGAP2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Flow cytometry testing of human SiHa cells with IQGAP2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= IQGAP2 antibody.



Flow cytometry testing of human U-2 OS cells with IQGAP2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= IQGAP2 antibody.



Western blot testing of human 1) HeLa, 2) placenta, 3) HepG2 and 4) mouse stomach lysate with IQGAP2 antibody at 0.5ug/ml. Predicted molecular weight ~181 kDa.

## Description

Ras GTPase-activating-like protein IQGAP2 is an enzyme that in humans is encoded by the IQGAP2 gene. This gene encodes a member of the IQGAP family. The encoded protein contains three IQ domains, one calponin homology domain, one Ras-GAP domain and one WW domain. This protein interacts with components of the cytoskeleton, with cell adhesion molecules, and with several signaling molecules to regulate cell morphology and motility. It also acts as a tumor suppressor and has been found to play a role in regulating innate antiviral responses. Alternative splicing results in multiple transcript variants.

## Application Notes

Optimal dilution of the IQGAP2 antibody should be determined by the researcher.

## Immunogen

A recombinant human partial protein corresponding to amino acids A1329-Q1544 was used as the immunogen for the IQGAP2 antibody.

## Storage

After reconstitution, the IQGAP2 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.