

## ARG59269 anti-IQGAP2 antibody

Package: 50 µg  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Rabbit Polyclonal antibody recognizes IQGAP2                      |
| Tested Reactivity   | Hu, Ms  |
| Tested Application  | FACS, ICC/IF, IHC-P, WB   |
| Host                | Rabbit  |
| Clonality           | Polyclonal  |
| Isotype             | IgG   |
| Target Name         | IQGAP2  |
| Species             | Human   |
| Immunogen           | Recombinant protein corresponding to A1329-Q1544 of Human IQGAP2. |
| Conjugation         | Un-conjugated   |
| Alternate Names     | Ras GTPase-activating-like protein IQGAP2                         |

### Application Instructions

| Application table | Application   | Dilution        |
|-------------------|---|-----------------|
|                   | FACS  | 1:150 - 1:500   |
|                   | ICC/IF  | 1:200 - 1:1000  |
|                   | IHC-P   | 1:200 - 1:1000  |
|                   | WB  | 0.1 - 0.5 µg/ml |
| Application Note  | IHC-P: Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0).<br>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                 |
| Observed Size     | 180 kDa   |                 |

### Properties

|                     |   |
|---------------------|---|
| Form                | Liquid  |
| Purification        | Affinity purification with immunogen.   |
| Buffer              | 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.05% Sodium azide and 4% Trehalose.   |
| Preservative        | 0.05% Sodium azide  |
| Stabilizer          | 4% Trehalose  |
| Concentration       | 0.5 mg/ml   |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated |

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

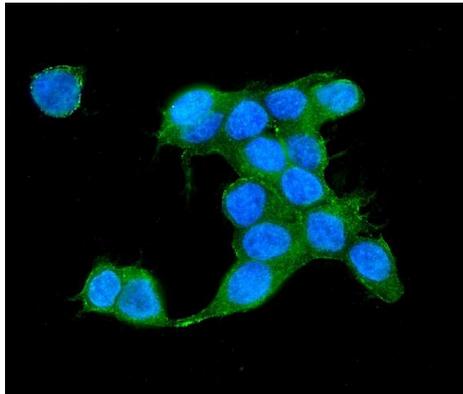
**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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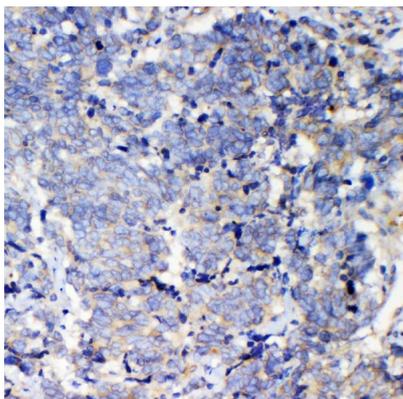
|                |  |
|----------------|--|
| Gene Symbol    | IQGAP2   |
| Gene Full Name | IQ motif containing GTPase activating protein 2  |
| Background     | This gene encodes a member of the IQGAP family. The protein contains three IQ domains, one calponin homology domain, one Ras-GAP domain and one WW domain. It interacts with components of the cytoskeleton, with cell adhesion molecules, and with several signaling molecules to regulate cell morphology and motility. [provided by RefSeq, Jul 2008] |
| Function       | Binds to activated CDC42 and RAC1 but does not seem to stimulate their GTPase activity. Associates with calmodulin. [UniProt]  |
| Calculated Mw  | 181 kDa  |

## Images



ARG59269 anti-IQGAP2 antibody ICC/IF image

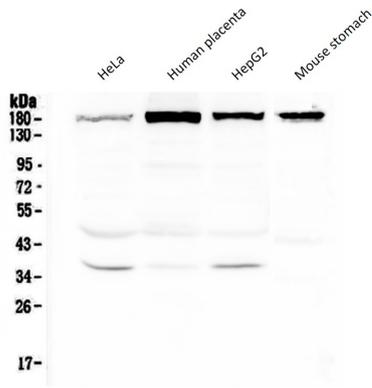
Immunofluorescence: MCF-7 cells were blocked with 10% goat serum and then stained with ARG59269 anti-IQGAP2 antibody (green) at 2 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.



ARG59269 anti-IQGAP2 antibody IHC-P image

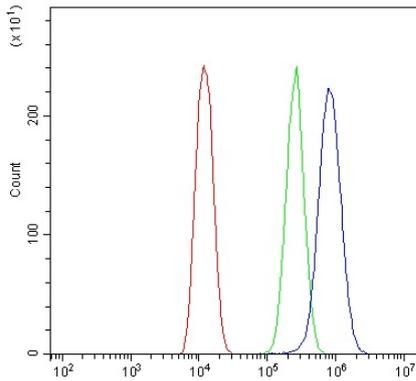
Immunohistochemistry: Paraffin-embedded Human lung cancer tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59269 anti-IQGAP2 antibody at 1 µg/ml dilution, overnight at 4°C.

### ARG59269 anti-IQGAP2 antibody WB image



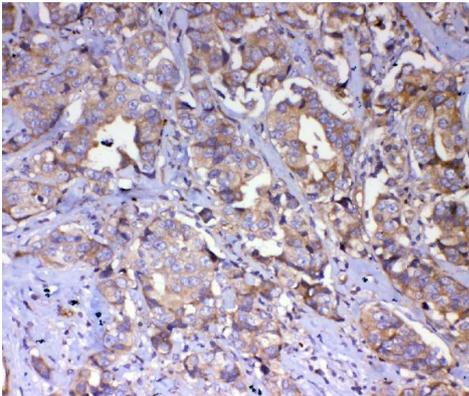
Western blot: 50 µg of samples under reducing conditions. HeLa, Human placenta, HepG2 and Mouse stomach lysates stained with ARG59269 anti-IQGAP2 antibody at 0.5 µg/ml, overnight at 4°C.

### ARG59269 anti-IQGAP2 antibody FACS image



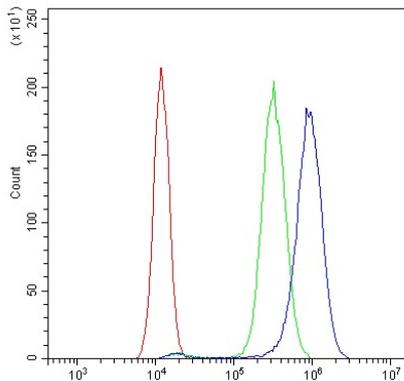
Flow Cytometry: U2OS cells were blocked with 10% normal goat serum and then stained with ARG59269 anti-IQGAP2 antibody (blue) at 1 µg/10<sup>6</sup> cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10<sup>6</sup> cells) used under the same conditions. Unlabelled sample (red) was also used as a control.

### ARG59269 anti-IQGAP2 antibody IHC-P image



Immunohistochemistry: Paraffin-embedded Human mammary cancer tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59269 anti-IQGAP2 antibody at 1 µg/ml dilution, overnight at 4°C.

### ARG59269 anti-IQGAP2 antibody FACS image



Flow Cytometry: SiHa cells were blocked with 10% normal goat serum and then stained with ARG59269 anti-IQGAP2 antibody (blue) at 1 µg/10<sup>6</sup> cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10<sup>6</sup> cells) used under the same conditions. Unlabelled sample (red) was also used as a control.