

**Product Name: KD-Validated ARHGDIA Mouse Monoclonal Antibody****Catalog #: KVA00669**

For research use only.

**Summary**

|                     |                                                                             |
|---------------------|-----------------------------------------------------------------------------|
| <b>Description</b>  | KO&KD-Validated antibody                                                    |
| <b>Host</b>         | Mouse                                                                       |
| <b>Application</b>  | WB,FCM,ICC                                                                  |
| <b>Reactivity</b>   | Human,Mouse,Rat                                                             |
| <b>Conjugation</b>  | Unconjugated                                                                |
| <b>Modification</b> | Unmodified                                                                  |
| <b>Isotype</b>      | Mouse IgG1                                                                  |
| <b>Clonality</b>    | Mouse mAb                                                                   |
| <b>Form</b>         | Liquid                                                                      |
| <b>Storage</b>      | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>     | Ice bags                                                                    |
| <b>Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.   |
| <b>Purification</b> | Affinity purification                                                       |

**Application**

|                         |                                                       |
|-------------------------|-------------------------------------------------------|
| <b>Dilution Ratio</b>   | WB 1:500-1:2,500; FC 1:200-1:2,000; ICC 1:100-1:1,000 |
| <b>Molecular Weight</b> | Calculated MW: 23.2kDa                                |

**Antigen Information**

|                          |                                                                                                                                                                                                                                                                                                        |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | ARHGDIA                                                                                                                                                                                                                                                                                                |
| <b>Alternative Names</b> | ARHGDIA; Rho GDP Dissociation Inhibitor Alpha; RHOGDI; GDIA1; Rho GDP Dissociation Inhibitor (GDI) Alpha; Rho GDP-Dissociation Inhibitor 1; GDP-Dissociation Inhibitor, Aplysia RAS-Related 1; Epididymis Secretory Sperm Binding Protein Li 47e; Rho-GDI Alpha; HEL-S-47e; Rho GDI 1; RHOGDI-1; NPHS8 |
| <b>Gene ID</b>           | 396.0                                                                                                                                                                                                                                                                                                  |
| <b>SwissProt ID</b>      | P52565                                                                                                                                                                                                                                                                                                 |
| <b>Immunogen</b>         | Recombinant protein of human ARHGDIA                                                                                                                                                                                                                                                                   |

**Background**

This gene encodes a protein that plays a key role in the regulation of signaling through Rho GTPases. The encoded protein

inhibits the disassociation of Rho family members from GDP (guanine diphosphate), thereby maintaining these factors in an inactive state. Activity of this protein is important in a variety of cellular processes, and expression of this gene may be altered in tumors. Mutations in this gene have been found in individuals with nephrotic syndrome, type 8. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

## Research Area

Signal Transduction

## Image Data

