

## Recombinant AGO2/Argonaute 2/EIF2C2 Monoclonal Antibody

catalog number: AN300165P

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

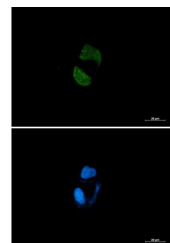
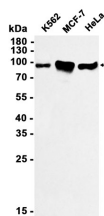
|                     |                                 |
|---------------------|---------------------------------|
| <b>Reactivity</b>   | Human;Mouse;Rat                 |
| <b>Immunogen</b>    | Recombinant Mouse AGO2 protein  |
| <b>Host</b>         | Rabbit                          |
| <b>Isotype</b>      | IgG                             |
| <b>Clone</b>        | C110117                         |
| <b>Purification</b> | Protein A                       |
| <b>Buffer</b>       | 0.2 µm filtered solution in PBS |

### Applications

### Recommended Dilution

**WB:** 1:1000; IHC-P: 1:100; ICC/IF: 1:100-1:200; FC: 1:50-1:100; IP: 1:20-1:50

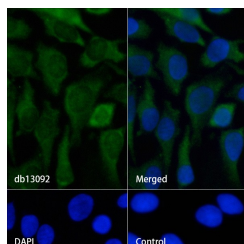
### Data



Western blot analysis of extracts from K562, MCF-7, HeLa cells at 1:500. Immunofluorescent analysis of HCT116 cells (green), and DAPI (blue).

**Observed-MW:97 kDa**

**Calculated-MW:97 kDa**



Immunofluorescence analysis of HeLa cells labelling Argonaute-2. The cells were fixed with cold 100% methanol (10min, 4°C) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate (1:100) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (shown in green). Nuclear DNA was labeled in blue with DAPI. Control: Secondary antibody only.

### Preparation & Storage

|                 |                                                                 |
|-----------------|-----------------------------------------------------------------|
| <b>Storage</b>  | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| <b>Shipping</b> | Ice bag                                                         |

### Background

#### For Research Use Only

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Rev. V1.7

This gene encodes a member of the Argonaute family of proteins which play a role in RNA interference. The encoded protein is highly basic, and contains a PAZ domain and a PIWI domain. It may interact with dicer1 and play a role in short-interfering-RNA-mediated gene silencing. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]