

Datasheet for ABIN6971369
anti-AGO4 antibody (N-Term)[Go to Product page](#)

1 Image

Overview

| | |
|----------------------|-----------------------|
| Quantity: | 100 µL |
| Target: | AGO4 (EIF2C4) |
| Binding Specificity: | N-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB) |

Product Details

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| Immunogen: | This Ago4 antibody was raised against a peptide within the N-terminal region of human Ago4. |
| Isotype: | IgG |
| Characteristics: | Argonaute 4 (Ago4, aka EIF2C4) is a member of the Argonaute family of proteins involved in RNAi mediated gene silencing through siRNA and miRNA effectors. The Argonaute proteins are part of RISC, the RNAi Induced Silencing Complex. Ago4 lacks RNase activity and does not appear to cleave target mRNA molecules. It binds to microRNAs (miRNAs) and represses the translation of mRNAs which are complementary to them. Ago4 has both a PAZ and a PIWI domain, indicative of the Argonaute family of proteins. Ago4 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Western blot, it has been shown to react with Human samples. |
| Purification: | Affinity Purified |

Target Details

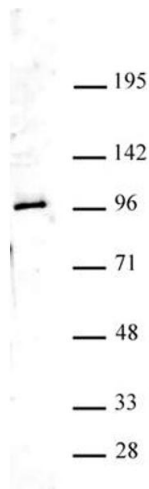
| | |
|-------------------|---|
| Target: | AGO4 (EIF2C4) |
| Alternative Name: | Ago4 (EIF2C4 Products) |
| Molecular Weight: | 100 kDa |
| NCBI Accession: | NP_060099 |
| Pathways: | Fc-epsilon Receptor Signaling Pathway , Regulatory RNA Pathways , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Cellular Glucan Metabolic Process |

Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

Handling

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| Buffer: | Purified IgG in 70 mM Tris (pH 8), 105 mM NaCl, 31 mM glycine, 0.07 mM EDTA, 30 % glycerol and 0.035 % sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage. |



Western Blotting

Image 1. Ago4 antibody (pAb) tested by Western blot. MCF-7 whole-cell extract (20 µg) probed with Ago4 antibody at a dilution of 1:1,000.