

Product Datasheet

Argonaute 2 Antibody

Catalog No: CY6652

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF IP FC



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Information

UniProt ID: Q9UKV8

All Names: Ago 2; Argonaute 2; Argonaute RISC catalytic component 2; dAgo2; eIF2C 2; Eukaryotic translation initiation factor 2C 2; hAgo2; PAZ Piwi domain protein; PPD; Protein argonaute-2; Protein slicer; Slicer protein;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 97 kDa

Application

WB 1:500~1:2000

IHC 1:50~1:200

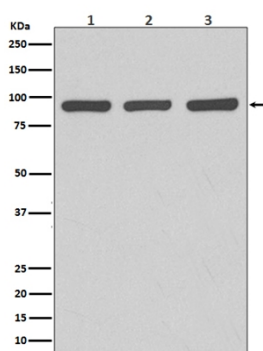
ICC/IF 1:50~1:200

IP 1:50

FC 1:50

Background

Required for RNA-mediated gene silencing (RNAi) by the RNA-induced silencing complex (RISC). Can also upregulate the translation of specific mRNAs under certain growth conditions. Binds to the AU element of the 3'-UTR of the TNF (TNF-alpha) mRNA and upregulates translation under conditions of serum starvation. Also required for transcriptional gene silencing (TGS), in which short RNAs known as antigenic RNAs or agRNAs direct the transcriptional repression of complementary promoter regions.



Western blot analysis of Argonaute 2 expression in (1) HeLa cell lysate; (2) RAW 264.7 cell lysate; (3) C6 cell lysate.

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