AGO2/Argonaute 2/EIF2C2 Antibody, Rabbit PAb, Antigen Affinity Purified

Catalog Number: **11079-T54**

GENERAL INFORMATION	
Immunogen:	Recombinant Human AGO2/Argonaute 2/EIF2C2 Protein (Catalog#11079-H07B)
Preparation	Produced in rabbits immunized with purified, recombinant Human AGO2/Argonaute 2/EIF2C2 (rh AGO2/Argonaute 2/EIF2C2; Catalog#11079-H07B; NP_036286.2; Met1-Ala859). AGO2/Argonaute 2/EIF2C2 specific IgG was purified by Human AGO2/Argonaute 2/EIF2C2 affinity chromatography.
Ig Type:	Rabbit IgG
Specificity:	Human AGO2/Argonaute 2/EIF2C2
Formulation:	0.2 μm filtered solution in PBS
Storage:	This antibody can be stored at 2℃-8℃ for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20℃ to -80℃. Preservative-Free. Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.
APPLICATIONS	
Applications:	WB,ELISA,ICC/IF,IF,IP
RECOMMENDED CONCENTRATION	
ICC/IF	ICC/IF: 1:300-1:10000
Western Blot	WB: 1:500-1:2000
Immunoprecipitation	IP: 0.5-2 μL/mg of lysate
ELISA	ELISA: 1:5000-1:10000 This antibody can be used at 1:5000-1:10000 with the appropriate secondary reagents to detect Human AGO2/Argonaute 2/EIF2C2.

Please Note: Optimal concentrations/dilutions should be determined by the end user.

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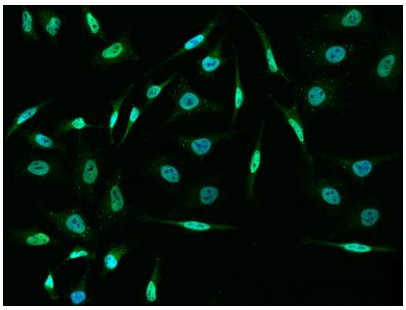
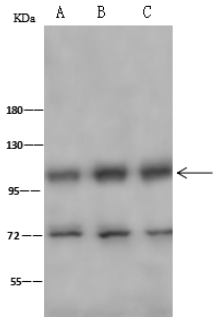


Immunofluorescence staining of AGO2 in HeLa cells. Cells were fixed with 4% PFA, permeabilzed with 0.1% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-Human AGO2 polyclonal antibody (dilution ratio 1:1000) at 4℃ overnight. Then cells were stained with the Alexa Fluor®488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue).Positive staining was localized to nucleus and cytoplasm.

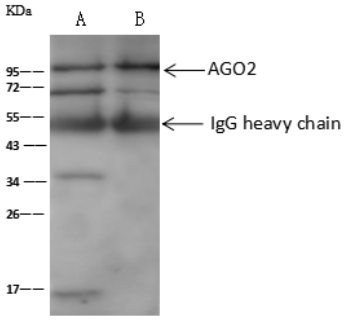


Anti-AGO2 rabbit polyclonal antibody at 1:500 dilution
Lane A: HeLa Whole Cell Lysate
Lane B: Jurkat Whole Cell Lysate
Lane C: K562 Whole Cell Lysate

Lysates/proteins at 30 µg per lane.
Secondary
Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.

Developed using the ECL technique.
Performed under reducing conditions.

Predicted band size:97 kDa
Observed band size:98 kDa
(We are unsure as to the identity of these extra bands.)



AGO2 was immunoprecipitated using:
Lane A:0.5 mg HeLa Whole Cell Lysate
Lane B:0.5 mg Jurkat Whole Cell Lysate

2 µL anti-AGO2 rabbit polyclonal antibody and 60 µg of Immunomagnetic beads Protein A/G.

Primary antibody:
Anti-AGO2 rabbit polyclonal antibody,at 1:100 dilution

Secondary antibody:
Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution

Developed using the ECL technique.
Performed under reducing conditions.

Predicted band size: 97 kDa
Observed band size :97 kDa