

Product Datasheet

Ago2/eIF2C2 Antibody (JF0992)

NBP2-67121

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-67121

Ago2/eIF2C2 Antibody (JF0992)

Product Information

Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JF0992
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description

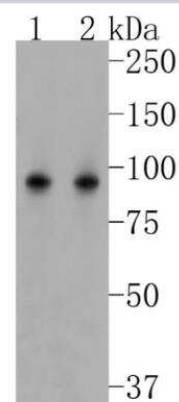
Host	Rabbit
Gene ID	27161
Gene Symbol	AGO2
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human Ago2/eIF2C2 aa 361-404 / 859. (SwissProt: Q9UKV8 Human; SwissProt: Q8CJG0 Mouse; SwissProt: Q9QZ81 Rat)

Product Application Details

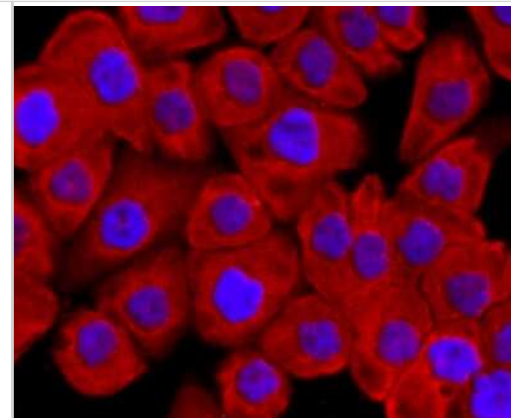
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:2000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunoprecipitation, Immunohistochemistry-Paraffin 1:50-1:4000

Images

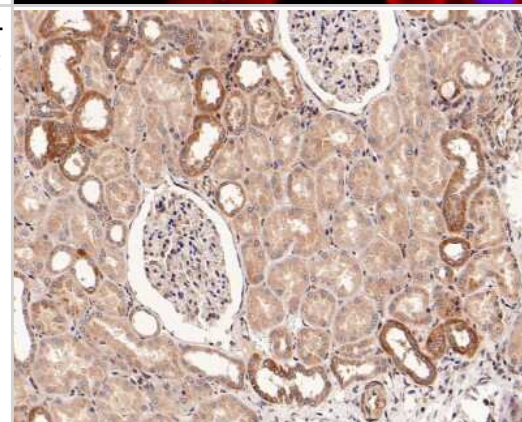
Western Blot: Ago2/eIF2C2 Antibody (JF0992) [NBP2-67121] - Analysis of Argonaute 2 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: Jurkat cell lysate Lane 2: Hela cell lysate



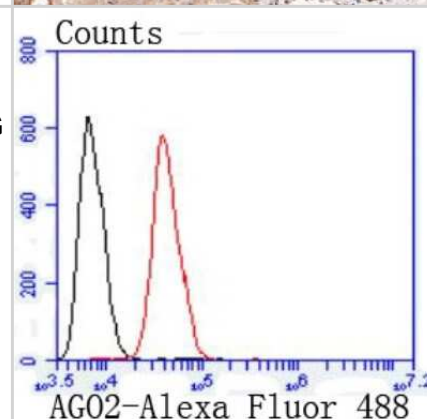
Immunocytochemistry/Immunofluorescence: Ago2/eIF2C2 Antibody (JF0992) [NBP2-67121] - Staining Argonaute 2 in AGS cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



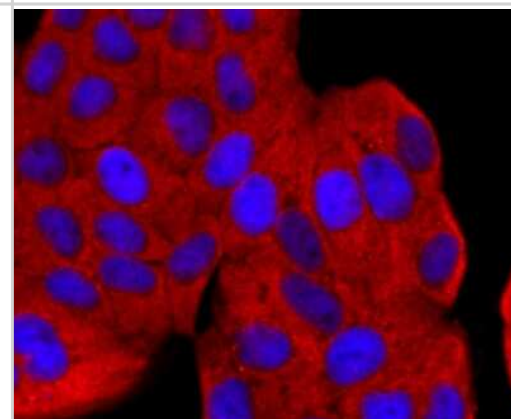
Immunohistochemistry-Paraffin: Ago2/eIF2C2 Antibody (JF0992) [NBP2-67121] - Analysis of paraffin-embedded human kidney tissue with Rabbit anti-Argo2/eIF2C2 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody 000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



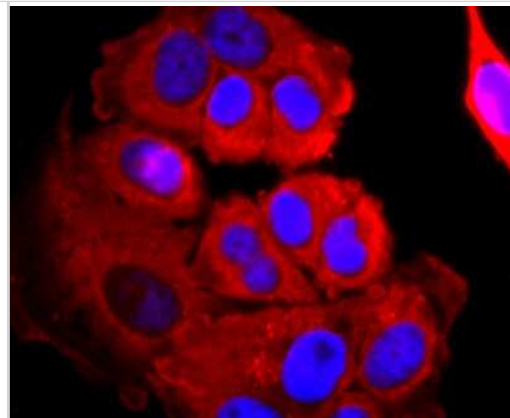
Flow Cytometry: Ago2/eIF2C2 Antibody (JF0992) [NBP2-67121] - Analysis of Hela cells with Argonaute 2 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



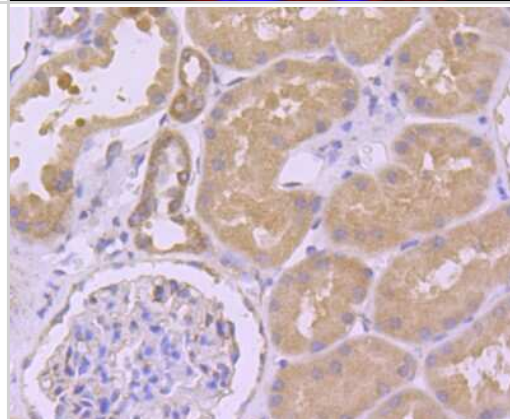
Immunocytochemistry/Immunofluorescence: Ago2/eIF2C2 Antibody (JF0992) [NBP2-67121] - Staining Argonaute 2 in Hela cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



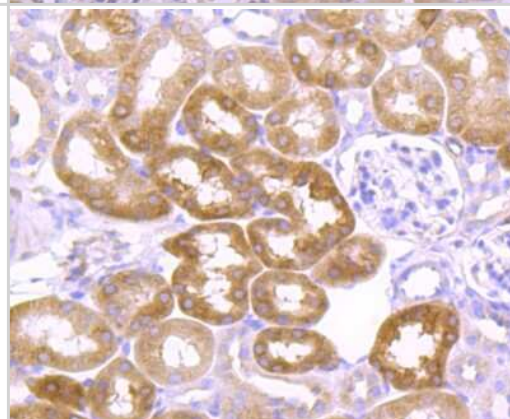
Immunocytochemistry/Immunofluorescence: Ago2/eIF2C2 Antibody (JF0992) [NBP2-67121] - Staining Argonaute 2 in MCF-7 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



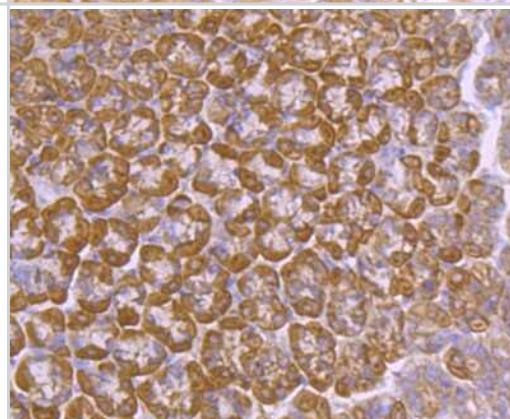
Immunohistochemistry-Paraffin: Ago2/eIF2C2 Antibody (JF0992) [NBP2-67121] - Analysis of paraffin-embedded human kidney tissue using anti-Argonaute 2 antibody. Counter stained with hematoxylin.



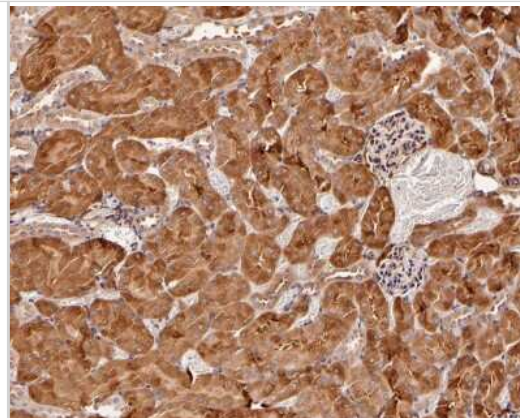
Immunohistochemistry-Paraffin: Ago2/eIF2C2 Antibody (JF0992) [NBP2-67121] - Analysis of paraffin-embedded mouse kidney tissue using anti-Argonaute 2 antibody. Counter stained with hematoxylin.



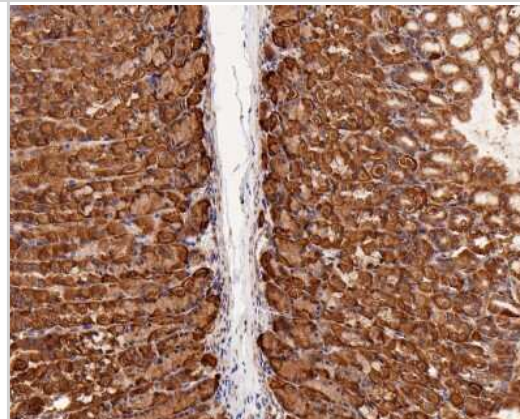
Immunohistochemistry-Paraffin: Ago2/eIF2C2 Antibody (JF0992) [NBP2-67121] - Analysis of paraffin-embedded mouse stomach tissue using anti-Argonaute 2 antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Ago2/eIF2C2 Antibody (JF0992) [NBP2-67121] - Analysis of paraffin-embedded mouse kidney tissue with Rabbit anti-Ago2/eIF2C2 antibody at 1/4,000 dilution. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody at 1/4,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemistry-Paraffin: Ago2/eIF2C2 Antibody (JF0992) [NBP2-67121] - Analysis of paraffin-embedded mouse stomach tissue with Rabbit anti-Ago2/eIF2C2 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Publications

Chen W, Pilling D, Gomer RH The mRNA binding protein DDX3 mediates TGF- β 1 upregulation of translation and promotes pulmonary fibrosis JCI insight 2023-02-23 [PMID: 36821384] (WB, Human)

Millan C, Prause L, Vallmajo-Martin Q et al. Extracellular Vesicles from 3D Engineered Microtissues Harbor Disease-Related Cargo Absent in EVs from 2D Cultures Advanced healthcare materials 2021-04-22 [PMID: 33890421]



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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00027161-Q01-10ug	Recombinant Human Ago2/eIF2C2 GST (N-Term) Protein

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