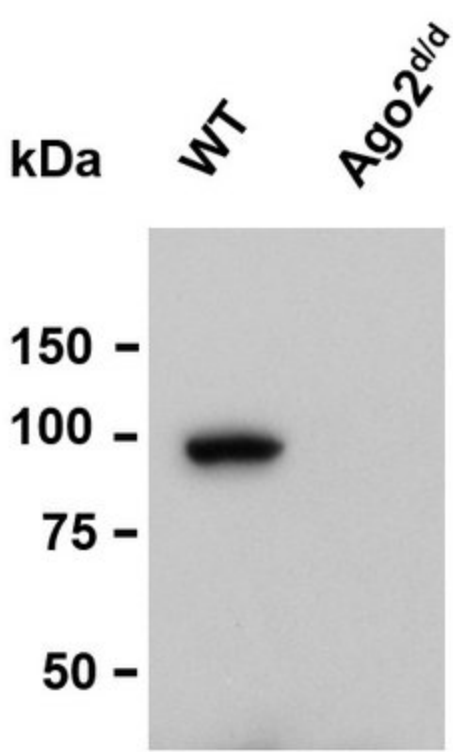


AGO2 Monoclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Mouse, Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant human Ago2 protein (GST fusion protein containing amino acids 47-859 of hAgo2).
Form	Liquid
Concentration	2.39 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.05% sodium azide
Storage conditions	-20°C or -80°C if preferred
RRID	AB_2576596

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500	-
Immunohistochemistry (IHC)	1:500	-
Immunocytochemistry (ICC/IF)	1:500	-
Immunoprecipitation (IP)	8 µg	3 Publications
RNA Immunoprecipitation (RIP)	-	3 Publications

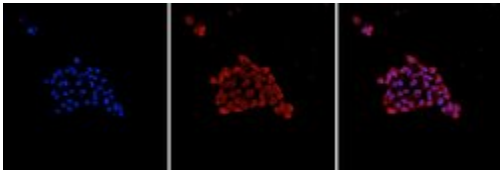
Advanced Verification Data



AGO2 Antibody (MA5-23515)

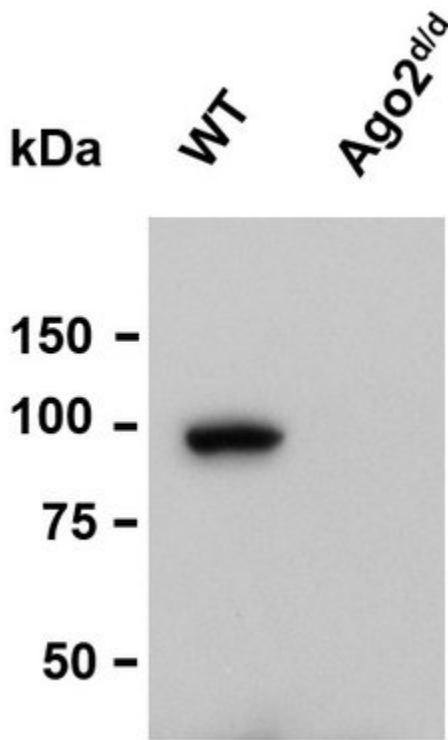
Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein Ago2. A loss of signal by western blot was observed for targeted Ago2 KO cell line (lane 2) compared to gRNA cell line (lane 1) using monoclonal Ago2 antibody (Product # MA5-23515). Knockout validation info.

Product Images For AGO2 Monoclonal Antibody



AGO2 Antibody (MA5-23515) in ICC/IF

HeLa cells were stained with the anti-Ago antibody (Product # MA5-23515) and with DAPI. Cells were fixed with 4% formaldehyde for 10' and blocked with PBS/TX-100 containing 1% BSA. The cells were immunofluorescently labelled with the Ago antibody (middle) diluted 1:500 in blocking solution followed by an anti-mouse antibody conjugated to Alexa594. The left panel shows staining of the nuclei with DAPI. A merge of both stainings is shown on the right.



AGO2 Antibody (MA5-23515) in WB

Western blot analysis of Ago2 was performed by loading whole cell lysate in 1X LDS sample buffer with 2-ME from 5×10^5 mouse transformed pre-B cells. Samples were loaded onto a 4-12 % Bis-Tris polyacrylamide gel (Product # NP0336BOX). Proteins were transferred to nitrocellulose membrane with wet/tank transfer. Membrane was blocked in 5% milk/TBST. The membrane was probe with a monoclonal anti-Ago2 antibody (Product # MA5-23515) at a dilution of 1:1000 in 5% milk/TBST at 4°C overnight, followed by a secondary antibody HRP-anti-mouse at a dilution of 1:10000 at room temperature for 1 hour. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # PI-32209). Data courtesy of Thermo Scientific KOL Program.

[View more figures on thermofisher.com](http://thermofisher.com)

Immunoprecipitation (3)

OncoTargets and therapy

Up-Regulation of FSTL3, Regulated by lncRNA DSCAM-AS1/miR-122-5p Axis, Promotes Proliferation and Migration of Non-Small Cell Lung Cancer Cells.

"MA5-23515 was used in Immunoprecipitation to investigate the expression and function of follistatin-like 3 in non-small cell lung cancer."

Authors: Gao L,Chen X,Wang Y,Zhang J

Species
Human

Dilution
Not Cited

Year
2020

Cell biology international

LINC01436, regulating miR-585 and FBXO11, is an oncogenic lncRNA in the progression of gastric cancer.

"Published figure using AGO2 monoclonal antibody (Product # MA5-23515) in Immunoprecipitation"

Authors: Zhang Y,Yang G,He X,Chen S,Zhang F,Fang X

Species
Not Applicable

Dilution
Not Cited

Year
2020

[View more IP references on thermofisher.com](#)

RNA Immunoprecipitation (3)

Frontiers in neuroscience

Knockdown of SNHG14 Alleviates MPP⁺-Induced Injury in the Cell Model of Parkinson's Disease by Targeting the miR-214-3p/KLF4 Axis.

"MA5-23515 was used in RNA Immunoprecipitation to demonstrate the protective effect of SNHG14 knockdown on MPP⁺-stimulated cytotoxicity in SK-N-SH cells by targeting the miR-214-3p/KLF4 axis, illuminating a promising target for Parkinson's disease treatment."

Authors: Zhou S,Zhang D,Guo J,Zhang J,Chen Y

Species
Mouse
Not Applicable

Dilution
Not Cited
Not Cited

Year
2020

Cancer cell international

circ_0084927 promotes cervical carcinogenesis by sponging miR-1179 that suppresses CDK2, a cell cycle-related gene.

"MA5-23515 was used in RNA Immunoprecipitation to investigate the main function of a novel circRNA, circ_0084927, and its regulatory network in cervical cancer (CC) development."

Authors: Qu X,Zhu L,Song L,Liu S

Species
Human

Dilution
Not Cited

Year
2020

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