

AGO2 Monoclonal Antibody (R.386.2)

Product Details

Size	100 µL
Species Reactivity	Human, Mouse, Non-human primate, Rat
Published Species	Rat, Human
Host/Isotype	Rabbit / IgG
Class	Monoclonal
Type	Antibody
Clone	R.386.2
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to mouse Argonaute 2
Form	Liquid
Concentration	260 µg/mL
Purification	Affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	<0.02% sodium azide
Storage conditions	-20°C
RRID	AB_10980123

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	1 Publication
Immunoprecipitation (IP)	1:50	3 Publications
RNA Immunoprecipitation (RIP)	-	3 Publications

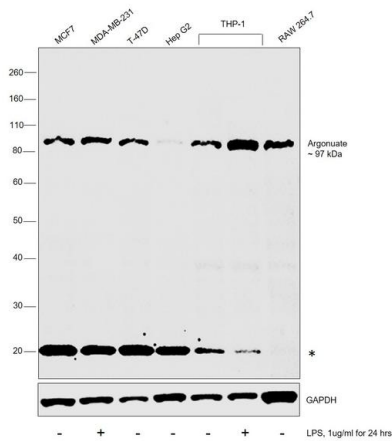
Product Specific Information

It is not recommended to aliquot this antibody.

Product Images For AGO2 Monoclonal Antibody (R.386.2)

AGO2 Antibody (MA5-14861) in WB

Western blot was performed using anti-AGO2 Monoclonal Antibody (R.386.2) (Product # MA5-14861) and a band at 97 kDa corresponding to AGO2 was observed across the cell lines tested and was increased upon LPS treatment in THP-1. An uncharacterized band (*) was also observed at ~20 kDa. Modified whole cell extracts (1% SDS) (30 µg lysate) of MCF7 (Lane 1), MDA-MB-231 (Lane 2), T-47D (Lane 3), Hep G2 (Lane 4), THP-1 (Lane 5), THP-1 treated with LPS (1 µg/mL for 24hrs) (Lane 6) and RAW 264.7 (Lane 7) were electrophoresed using Novex® NuPAGE® 4-12% % Bis-Tris gel (Product # NP0321BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1,000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4,000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



Western Blot (1)

Investigative ophthalmology & visual science	Year 2018
Mesenchymal Stem Cell-Derived Small Extracellular Vesicles Promote Neuroprotection in Rodent Models of Glaucoma.	Species Rat
"MA5-14861 was used in Western Blot to investigate the benefit of bone marrow mesenchymal stem cell (BMSC)-derived small extracellular vesicles (sEV) as an intravitreal (ivit) therapy in two rat models of glaucoma and to determine and identify candidate miRNA involved in the mechanism."	Dilution 1:1000
Authors: Mead B,Amaral J,Tomarev S	

Immunoprecipitation (3)

Journal of molecular and cellular cardiology	Year 2021
Combined high-throughput library screening and next generation RNA sequencing uncover microRNAs controlling human cardiac fibroblast biology.	Species Human
"MA5-14861 was used in Immunoprecipitation to provide evidence that repression of autophagy and detoxification of reactive oxygen species by miR-20a-5p and miR-132-3p explain some of their pro-fibrotic nature on a mechanistic level."	
Authors: Schimmel K,Stojanovi SD,Huang CK,Jung M,Meyer MH,Xiao K,Grote-Levi L,Bär C,Pfanne A,Mitzka S,Just A,Geffers R,Bock K,Kenneweg F,Kleemiß F,Falk CS,Fiedler J,Thum T	

Nature communications	Year 2016
Circular non-coding RNA ANRIL modulates ribosomal RNA maturation and atherosclerosis in humans.	Species Human
"MA5-14861 was used in RNA immunoprecipitation identify an atheroprotective role for circular RNAs"	
Authors: Holdt LM,Stahring A,Sass K,Pichler G,Kulak NA,Wilfert W,Kohlmaier A,Herbst A,Northoff BH,Nicolaou A,Gäbel G,Beutner F,Scholz M,Thiery J,Musunuru K,Krohn K,Mann M,Teupser D	

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RNA Immunoprecipitation (3)

Biology direct	Year 2021
Long non-coding RNA SNHG8 enhances triple-negative breast cancer cell proliferation and migration by regulating the miR-335-5p/PYGO2 axis.	Species Human
"MA5-14861 was used in RNA Immunoprecipitation to investigate the role of long non-coding small nucleolar host gene 8 in the proliferation and migration of triple-negative breast cancer cells."	Dilution 1:50
Authors: Qian J,Lei X,Sun Y,Zheng L,Li J,Zhang S,Zhang L,Li W,Shi J,Jia W,Tang T	

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