



Datasheet for ABIN7265671
anti-AGO2 antibody



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4 Images

Overview

Quantity:	100 µL
Target:	AGO2
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This AGO2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Argonaute-2 Rabbit mAb
Immunogen:	A synthesized peptide derived from human Argonaute-2.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	AGO2
Alternative Name:	AGO2 (AGO2 Products)
Background:	This gene encodes a member of the Argonaute family of proteins which play a role in RNA

Target Details

interference. The encoded protein is highly basic, and contains a PAZ domain and a PIWI domain. It may interact with dicer1 and play a role in short-interfering-RNA-mediated gene silencing. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009],AGO2,CASC7,EIF2C2,LINC00980,PPD,Q10,protein argonaute-2,Argonaute 2,EIF2C2,Epigenetics & Nuclear Signaling,Nuclear Receptor Signaling,RNA Binding,AGO2

Molecular Weight: 97kDa

Gene ID: 27161

UniProt: [Q9UKV8](#)

Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [Regulatory RNA Pathways](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Ribonucleoprotein Complex Subunit Organization](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

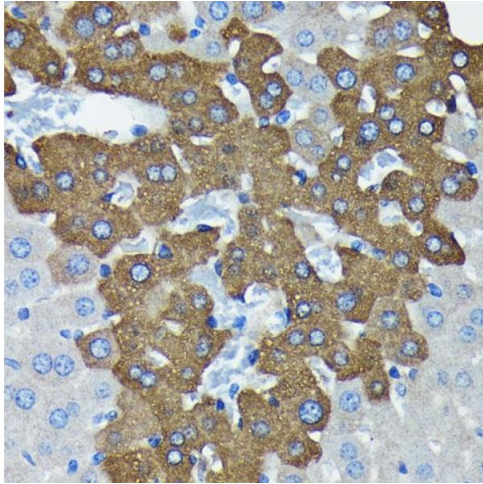
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

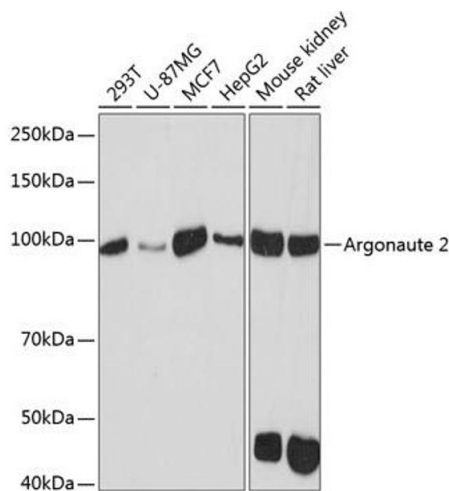
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



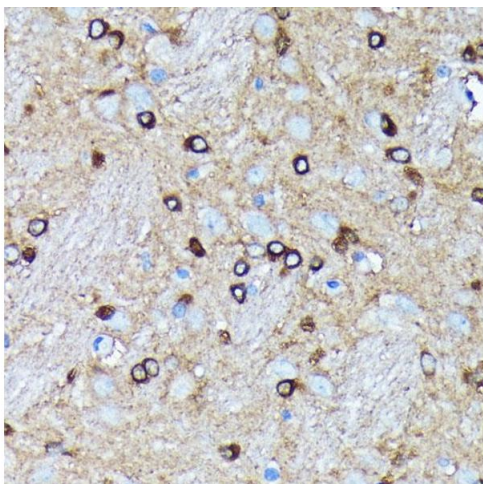
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse liver using Argonaute-2 antibody (ABIN7265671) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Argonaute-2 antibody (ABIN7265671) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat brain using Argonaute-2 antibody (ABIN7265671) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7265671.