

Datasheet for ABIN6140045  
**anti-AGO2 antibody (AA 1-100)**



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4 Images

## Overview

Quantity:	100 µL
Target:	AGO2
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGO2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Argonaute-2 (NP_036286.2).
Sequence:	MYSGAGPALA PPAPPPPIQG YAFKPPRPD FGTSGRTIKL QANFFEMDIP KIDIYHYELD IKPEKCPRRV NREIVEHMQV HFKTQIFGDR KPVFDGRKNL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target:	AGO2
Alternative Name:	AGO2 ( <a href="#">AGO2 Products</a> )
Background:	This gene encodes a member of the Argonaute family of proteins which play a role in RNA 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.,AGO2,CASC7,EIF2C2,LINC00980,PPD,Q10,protein argonaute-2,Argonaute 2,EIF2C2,Epigenetics & Nuclear Signaling,RNA Binding,Nuclear Receptor Signaling,AGO2
Molecular Weight:	93 kDa/97 kDa
Gene ID:	27161
UniProt:	<a href="#">Q9UKV8</a>
Pathways:	<a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">Regulatory RNA Pathways</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Ribonucleoprotein Complex Subunit Organization</a>

## Application Details

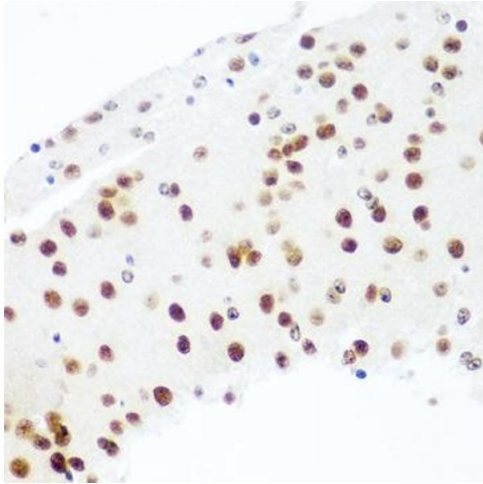
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Application Notes:	WB,1:500 - 1:1000,IHC,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

## Handling

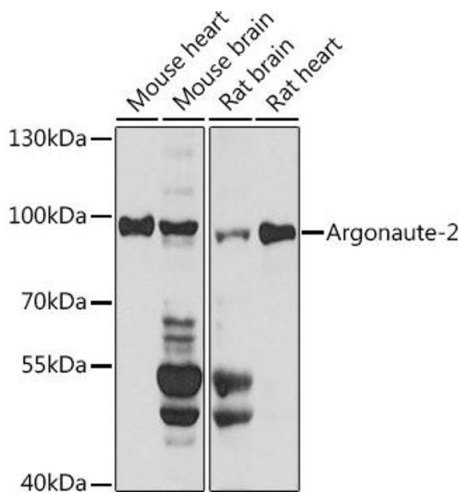
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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



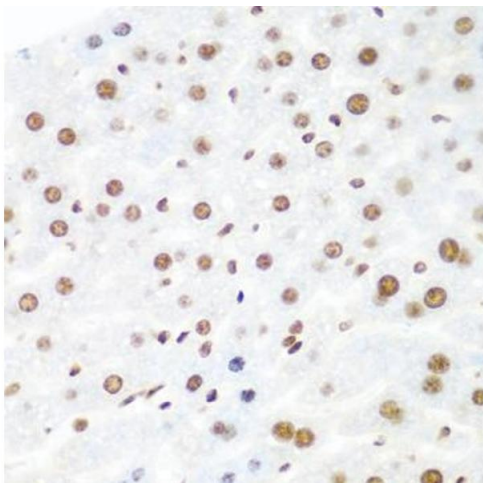
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded mouse brain using Argonaute-2 antibody (ABIN6133693, ABIN6140045, ABIN6140047 and ABIN6221669) 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 (ABIN6133693, ABIN6140045, ABIN6140047 and ABIN6221669) 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: 30s.



### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded mouse liver using Argonaute-2 antibody (ABIN6133693, ABIN6140045, ABIN6140047 and ABIN6221669) 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 ABIN6140045.