

Rabbit Argonaute 4 Polyclonal Antibody | anti-AGO4 antibody

Argonaute 4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329147	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%), Xenopus(100%)	ELISA

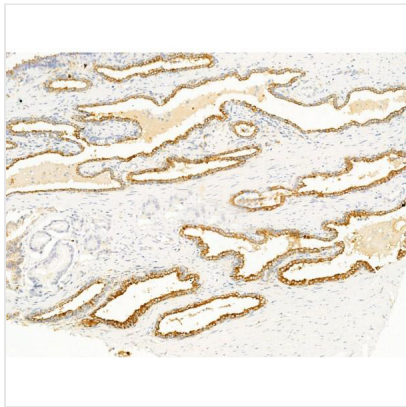
PRODUCT SYNONYMS

Argonaute 4; Polyclonal Antibody; Argonaute 4 Antibody; 5730550L01Rik; Ago 4; Ago4; AGO4_HUMAN; Argonaute4; EIF 2C 4; eIF-2C 4; eIF2C 4; eif2c4; Eukaryotic translation initiation factor 2C 4; eukaryotic translation initiation factor 2C; hAgo4; KIAA1567; Piwi/Argonaute family protein meiF2C4; Protein argonaute-4; anti-AGO4 antibody

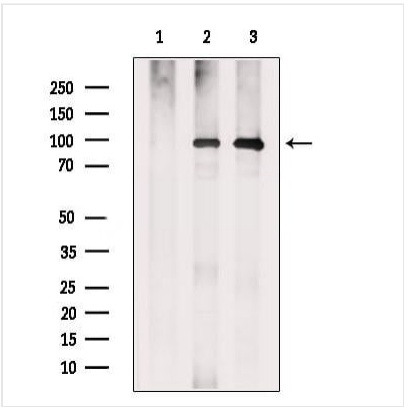
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%), Xenopus(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Argonaute 4 Antibody detects endogenous levels of total Argonaute 4.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	861
Applicable Applications for anti-AGO4 antibody	ELISA
Immunogen	A synthesized peptide derived from human Argonaute 4, corresponding to a region within N-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA329147 at 1/100 staining Mouse heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from various samples, using Argonaute 4 Antibody. Lane 1: Mcf7, treated with blocking peptide; Lane 2: Mcf7; Lane 3: C6 cells.

ADDITIONAL INFORMATION

Related Product Information for anti-AGO4 antibody	Function: Required for RNA-mediated gene silencing (RNAi). Binds to short RNAs such as microRNAs (miRNAs) and represses the translation of mRNAs which are complementary to them. Lacks endonuclease activity and does not appear to cleave target mRNAs. Also required for RNA-directed transcription and replication of the human hapatitis delta virus (HDV).
	Subcellular Location: Cytoplasm>P-body.
	Subunit Structure: Interacts with EIF4B, IMP8, PRMT5, TNRC6A and TNRC6B (PubMed:19167051). Interacts with ZFP36 (PubMed:15766526).
	Similarity: Belongs to the argonaute family. Ago subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	29029593
NCBI GeneID	192670
NCBI Accession #	NP_060099.2
NCBI GenBank Nucleotide #	NP_060099.2
UniProt Accession #	Q9HCK5
Molecular Weight	Observed Molecular Weight: (Observed)97kD. Predicted Molecular Weight: (Calculated)97kDa.
NCBI Official Full Name	protein argonaute-4
NCBI Official Synonym Full Names	argonaute RISC component 4
NCBI Official Symbol	AGO4
NCBI Official Synonym Symbols	EIF2C4
NCBI Protein Information	protein argonaute-4
UniProt Protein Name	Protein argonaute-4
UniProt Gene Name	AGO4
UniProt Synonym Gene Names	EIF2C4; KIAA1567; Argonaute4; hAgo4; eIF-2C 4; eIF2C 4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/argonaute-4-antibody-elisa/329147>