

Rabbit AGO1 Polyclonal Antibody | anti-AGO1 antibody

AGO1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327210	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

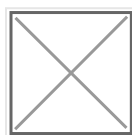
PRODUCT SYNONYMS

AGO1; Polyclonal Antibody; AGO1 Antibody; AGO1_HUMAN; Argonaute 1; Argonaute1; eIF 2C 1; eIF-2C 1; eIF2C 1; EIF2C; Eif2c1; Eukaryotic translation initiation factor 2C 1; GERP95; Golgi Endoplasmic Reticulum protein 95 kDa; hAgo1; Protein argonaute 1; Protein argonaute-1; Putative RNA binding protein Q99; Putative RNA-binding protein Q99; Q99; anti-AGO1 antibody

PRODUCT SPECIFICATIONS

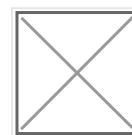
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	AGO1 antibody detects endogenous levels of total AGO1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	891
Applicable Applications for anti-AGO1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human AGO1
Subcellular Location	Cytoplasm > P-body.
Predicted Cross Reactivity	Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Zebrafish (83%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA327210 at 1/100 staining Human kidney 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 antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of AGO1 using HUVEC whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-AGO1 antibody	<p>Function: Required for RNA-mediated gene silencing (RNAi). Binds to short RNAs such as microRNAs (miRNAs) or short interfering RNAs (siRNAs), 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 transcriptional gene silencing (TGS) of promoter regions which are complementary to bound short antigene RNAs (agRNAs).</p> <p>Subunit Structure: Interacts with DDB1, DDX5, DDX6, DHX30, DHX36, DDX47, DICER1, AGO2, ELAVL1, HNRNPF, IGF2BP1, ILF3, IMP8, MATR3, MOV10, PABPC1, PRMT5, RBM4, SART3, TNRC6B, UPF1 and YBX1. Associates with polysomes and messenger ribonucleoproteins (mNRPs). Interacts with LIMD1, WTIP and AJUBA. Interacts with APOBEC3F, APOBEC3G and APOBEC3H.</p> <p>Similarity: Belongs to the argonaute family. Ago subfamily.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	953480250
NCBI GeneID	26523
NCBI Accession #	NP_001304051.1
NCBI GenBank Nucleotide #	NM_001317122.1
UniProt Accession #	Q9UL18; Q5TA57; Q6P4S0
Molecular Weight	Observed: 110 kDa Predicted: 98 kDa
NCBI Official Full Name	protein argonaute-1 isoform 1x
NCBI Official Synonym Full Names	argonaute 1, RISC catalytic component
NCBI Official Symbol	AGO1
NCBI Official Synonym Symbols	Q99; EIF2C; hAgo1; EIF2C1; GERP95
NCBI Protein Information	protein argonaute-1
UniProt Protein Name	Protein argonaute-1
UniProt Gene Name	AGO1
UniProt Synonym Gene Names	EIF2C1; Argonaute1; hAgo1; eIF-2C 1; eIF2C 1

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.