

Rabbit EIF2C3 Polyclonal Antibody | anti-EIF2C3 antibody

EIF2C3 Antibody

CATALOG # AAA327982	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

EIF2C3; Polyclonal Antibody; EIF2C3 Antibody; 5730550L01Rik; Ago 3; Ago3; AGO3_HUMAN; argonaute 3; Argonaute3; eIF 2C 3; eIF-2C 3; eIF2C 3; Eif2c3; EIF2C3 protein; Eukaryotic translation initiation factor 2C 3; Eukaryotic translation initiation factor 2C3; FLJ12765; hAgo3; MGC86946; Protein argonaute-3; anti-EIF2C3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	EIF2C3 antibody detects endogenous levels of total EIF2C3
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	860
Applicable Applications for anti-EIF2C3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human EIF2C3
Predicted Cross Reactivity	Zebrafish, Bovine, Sheep, Rabbit, Dog, Chicken
Similarity	Zebrafish (83%), Bovine (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of EIF2C3 using COLO205 whole cell lysates



IHC (Immunohistochemistry)

AAA327982 at 1/100 staining Rat liver 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.

ADDITIONAL INFORMATION

Related Product Information for anti-EIF2C3 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. Proposed to be involved in stabilization of small RNA derivatives (siRNA) derived from processed RNA polymerase III-transcribed Alu repeats containing a DR2 retinoic acid response element (RARE) in stem cells and in the subsequent siRNA-dependent degradation of a subset of RNA polymerase II-transcribed coding mRNAs by recruiting a mRNA decapping complex involving EDC4. Subunit Structure: Interacts with EIF4B, IMP8, PRMT5 and TNRC6B. Interacts with APOBEC3F, APOBEC3G and APOBEC3H. Interacts with EDC4. Similarity: Belongs to the argonaute family. Ago subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	29294647
NCBI GeneID	192669
NCBI Accession #	NP_079128.2
NCBI GenBank Nucleotide #	NM_024852.3
UniProt Accession #	Q9H9G7; Q5TA55; Q9H1U6; B1ALI0
Molecular Weight	Observed: 97 kDa Predicted: 98 kDa
NCBI Official Full Name	protein argonaute-3 isoform a
NCBI Official Synonym Full Names	argonaute 3, RISC catalytic component
NCBI Official Symbol	AGO3
NCBI Official Synonym Symbols	EIF2C3
NCBI Protein Information	protein argonaute-3
UniProt Protein Name	Protein argonaute-3
UniProt Gene Name	AGO3
UniProt Synonym Gene Names	EIF2C3; Argonaute3

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.