

Rabbit Anti-AGO2 antibody

SLM-52820R

Product Name	AGO2
Chinese Name	真核翻译起始因子 2C2Recombinant rabbit monoclonal anti AGO2_HUMAN; Protein argonaute-2; eIF2C2; EC:3.1.26.n2; Argonaute2; Argonaute RISC catalytic component 2; Eukaryotic translation initiation factor 2C 2; eIF-2C 2; eIF2C 2; PAZ Piwi domain protein (PPD); Protein slicer; argonaute RISC catalytic component 2; PPD; Q10; CASC7; LESKRES; LINC00980; Argonaute 2;
Alias	
Research Area	Cell biology Chromatin and nuclear signals Epigenetics
Immunogen Species	Rabbit
Clonality	Monoclonal
Clone NO.	7C3
React Species	Human(predicted:Mouse,Rat) Flow-Cyt=1:50-100 (Paraffin sections need antigen repair)
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	97kDa
Cellular localization	The nucleus cytoplasmic
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Argonaute 2
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1*TBS (pH7.4), 5% BSA, 40% Glycerol. Preservative: 5% Sodium Azide.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed

Product Detail

Eukaryotic translation initiation factor 2C (eIF2C) proteins (argonaute family) influence RNA interference (RNAi) as components of the RNA-inducible silencing complex (RISC) or microRNA (miRNA)-containing ribonucleoprotein particle (miRNP). Small RNAs, including small interfering RNAs (siRNAs) and miRNAs, can silence target genes through mechanisms that utilize RISC or miRNP particles. eIF2C1 (argonaute 1, AGO1, eIF2C, GERP95, Q99) and Dicer1 play a coordinated role in siRNA-mediated gene silencing. eIF2C2 (Slicer, argonaute 2, AGO2, Q10) is a RISC component that can concentrate in cytoplasmic processing bodies (P-bodies) and catalyze mRNA cleavage. Mammalian P-bodies contain mRNAs and have an association with miRNA-induced translational silencing and siRNA-induced mRNA degradation. Additional eIF2C proteins include eIF2C3 (argonaute 3, AGO3), eIF2C4 (argonaute 4, AGO4) and meIF2c5 (mouse argonaute 5).

SWISS:
Q9UKV8

Gene ID:
27161