Datasheet for ABIN7126312

anti-EIF2C3 antibody

Go to Product page

Overview

Quantity:	100 µg
Target:	EIF2C3
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EIF2C3 antibody is un-conjugated
Application:	ELISA, Immunoprecipitation (IP), Immunofluorescence (IF), Coating (Coat), Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant full-length human AGO3 protein
Isotype:	IgG1
Specificity:	This antigen is involved in binding and translation repression of short RNAs. This antigen is also known as argonaute RISC catalytic component 3.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. Proposed to be involved in stabilization of small RNA derivates (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. Possesses RNA slicer activity but only on select RNAs bearing 5'- and 3'-flanking sequences to the region of guide-target complementarity.

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Product Details

Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	EIF2C3
Alternative Name:	AGO3 (EIF2C3 Products)
Background:	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,AGO3 (Argonaute-3) / eIF2C3 Cellular localisation: Cytoplasm>P-bodies. Nucleoplasm.
Molecular Weight:	97.36kDa
Gene ID:	192669, 657659
UniProt:	Q9H9G7
Pathways:	Fc-epsilon Receptor Signaling Pathway, Regulatory RNA Pathways, EGFR Signaling Pathway, Neurotrophin Signaling Pathway

Application Details

Application Notes:	Known_Application: ELISA (For coating, order antibody without BSA), ,Immunoprecipitation (1-2 µg per 100-500 µg of total protein (1 mL of cell lysate)), ,Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), ,Optimal dilution for a specific application should be determined. Positive_Control: HeLa, MCF7 or U-2OS cells.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-

Handling

	hazardous.
Expiry Date:	24 months

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