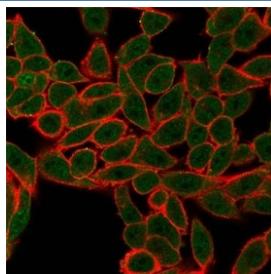


AGO3 Antibody / Argonaute-3 / eIF2C3 [clone PCRP-AGO3-1C5] (V9391)

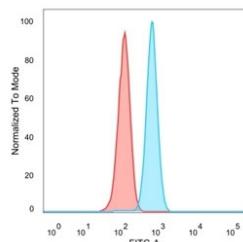
Catalog No.	Formulation	Size
V9391-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9391-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9391SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

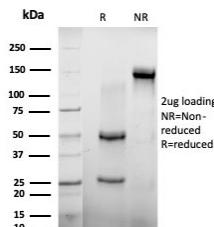
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	PCRP-AGO3-1C5
Purity	Protein A/G affinity
UniProt	Q9H9G7
Localization	Cytoplasm, Nucleus
Applications	ELISA (order BSA-free Format For Coating) : Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml
Limitations	This AGO3 antibody is available for research use only.



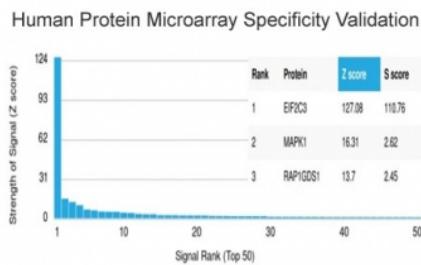
Immunofluorescent staining of PFA-fixed human HeLa cells. Cytoplasmic P-bodies and nucleoplasm show staining with AGO3 antibody (green, clone PCRP-AGO3-1C5), and phalloidin counterstain (red).



FACS staining of PFA-fixed human HeLa cells with AGO3 antibody (blue, clone PCRP-AGO3-1C5) and isotype control (red).



SDS-PAGE analysis of purified, BSA-free AGO3 antibody (clone PCRP-AGO3-1C5) as confirmation of integrity and purity.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using AGO3 antibody (clone PCRP-AGO3-1C5). These results demonstrate the foremost specificity of the PCRP-AGO3-1C5 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

Description

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-flanking sequences to the region of guide-target complementarity.

Application Notes

Optimal dilution of the AGO3 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human AGO3 protein was used as the immunogen for the AGO3 antibody.

Storage

Aliquot the AGO3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

