AGO3 (Argonaute-3) / eIF2C3 Antibody

Mouse Monoclonal Antibody [Clone PCRP-AGO3-1C5]

Catalog No	Format	Size
192669-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
192669-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
192669-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

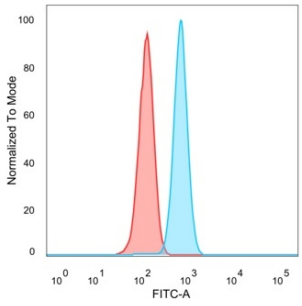
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

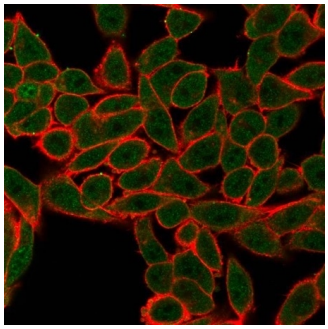
Clone	PCRP-AGO3-1C5
Gene Name	AGO3
Immunogen	Recombinant full-length human AGO3 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	97.36kDa
Cellular Localization	Cytoplasm, P-body
Species Reactivity	Human
Positive Control	HeLa, MCF7 or U-2OS cells.

**Optimal dilution for a specific application should be determined.*

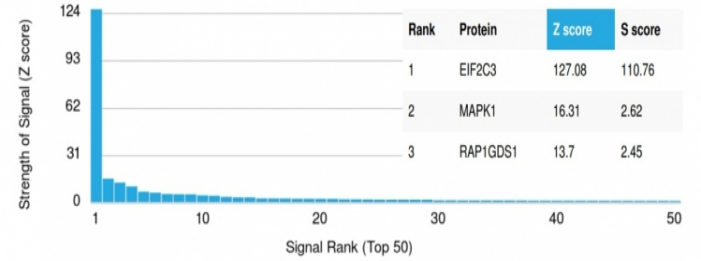
Product Images for AGO3 (Argonaute-3) / eIF2C3 Antibody



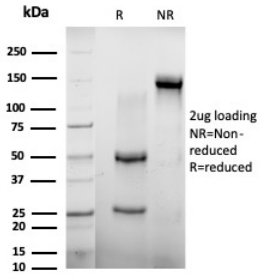
Flow cytometric analysis of PFA-fixed HeLa cells. AGO3Mouse Monoclonal Antibody (PCRP-AGO3-1C5) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).



Immunofluorescence Analysis of PFA-fixed HeLa cells. Cytoplasmic P-bodies and nucleoplasm stained using PCRP-AGO3-1C5



followed by goat anti-mouse IgG-CF488 (green). CF640A phalloidin (red).



SDS-PAGE Analysis of Purified AGO3 Mouse Monoclonal Antibody (PCRP-AGO3-1C5). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide store at 2 to 8 °C. Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Signal Transduction, Transcription Factors

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.