

Datasheet for ABIN7165099
anti-AGO4 antibody (AA 716-861)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	AGO4 (EIF2C4)
Binding Specificity:	AA 716-861
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGO4 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Protein argonaute-4 protein (716-861aa)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	AGO4 (EIF2C4)
Alternative Name:	AGO4 (EIF2C4 Products)
Background:	Background: 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

Target Details

them. Lacks endonuclease activity and does not appear to cleave target mRNAs. Also required for RNA-directed transcription and replication of the human hepatitis delta virus (HDV).

Aliases: Protein argonaute-4 (Argonaute4) (hAgo4) (Argonaute RISC catalytic component 4) (Eukaryotic translation initiation factor 2C 4) (eIF-2C 4) (eIF2C 4), AGO4, EIF2C4 KIAA1567

UniProt: [Q9HCK5](#)

Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [Regulatory RNA Pathways](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Cellular Glucan Metabolic Process](#)

Application Details

Application Notes: Recommended dilution: IF:1:100-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

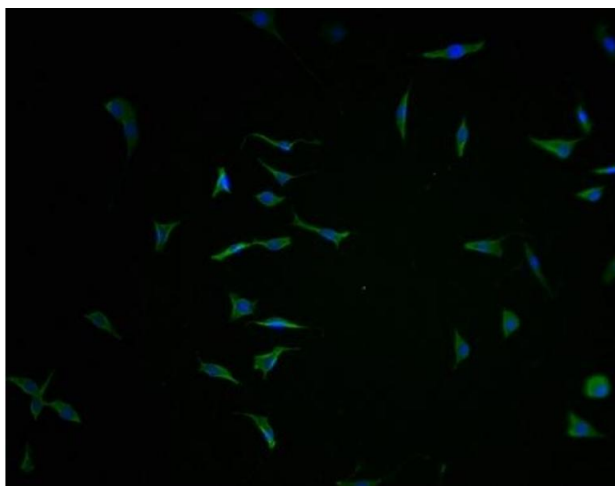
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescence staining of SH-SY5Y cells with ABIN7165099-IF at 1:100, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).