

Product Name: KD-Validated AGO3 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00232**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 97.4kDa

Antigen Information

Gene Name	AGO3
Alternative Names	AGO3; Argonaute RISC Catalytic Component 3; EIF2C3; Eukaryotic Translation Initiation Factor 2C, 3; Protein Argonaute-3; FLJ12765; HAGO3; HAgo3; Eukaryotic Translation Initiation Factor 2C; Argonaute 3, RISC Catalytic Component; EC 3.1.26.N2; Argonaute 3; Argonaute3; EIF-2C 3; EIF2C 3
Gene ID	192669.0
SwissProt ID	Q9H9G7
Immunogen	A synthesized peptide derived from human EIF2C3

Background

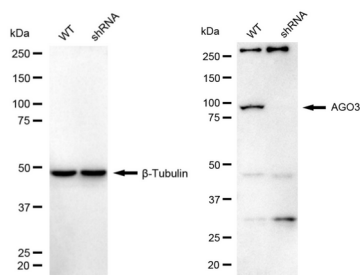
This gene encodes a member of the Argonaute family of proteins which play a role in RNA interference. The encoded protein is

highly basic, contains a PAZ domain and a PIWI domain, and may play a role in short-interfering-RNA-mediated gene silencing. This gene is located on chromosome 1 in a tandem cluster of closely related family members including argonaute 4 and eukaryotic translation initiation factor 2C, 1. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

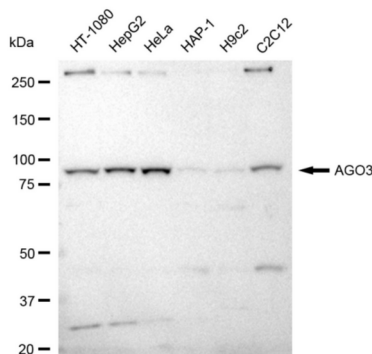
Research Area

Epigenetics and Nuclear Signaling

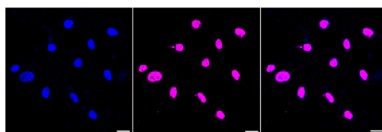
Image Data



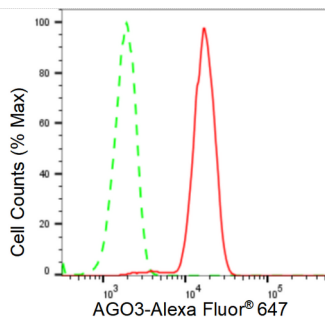
Western blotting analysis using AGO3 antibody (KVA00232). AGO3 expression in wild-type (WT) and AGO3 shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with AGO3 antibody (KVA00232, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using AGO3 antibody (KVA00232). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with AGO3 antibody (KVA00232, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with AGO3 antibody (KVA00232, 1:1,000). Nuclei were stained blue with DAPI; AGO3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar: 20 µm.



Flow cytometric analysis of AGO3 expression in HeLa cells using AGO3 antibody (KVA00232, 1:2,000). Green, isotype control; red, AGO3.