

EIF2C3/ Argonaute 3 Rabbit mAb

Catalog No: #49234



Package Size: #49234-1 50ul #49234-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

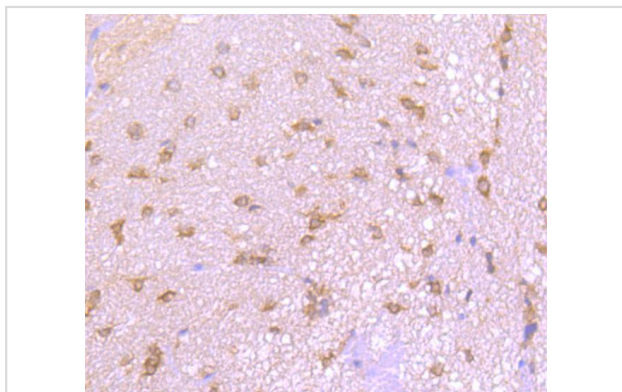
Description

Product Name	EIF2C3/ Argonaute 3 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JJ201-07
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	5730550L01Rik antibody Ago 3 antibody Ago3 antibody AGO3_HUMAN antibody argonaute 3 antibody Argonaute3 antibody eIF 2C 3 antibody eIF-2C 3 antibody eIF2C 3 antibody Eif2c3 antibody EIF2C3 protein antibody Eukaryotic translation initiation factor 2C 3 antibody Eukaryotic translation initiation factor 2C3 antibody FLJ12765 antibody hAgo3 antibody MGC86946 antibody Protein argonaute-3 antibody
Accession No.	Swiss-Prot#:Q9H9G7
Calculated MW	97 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

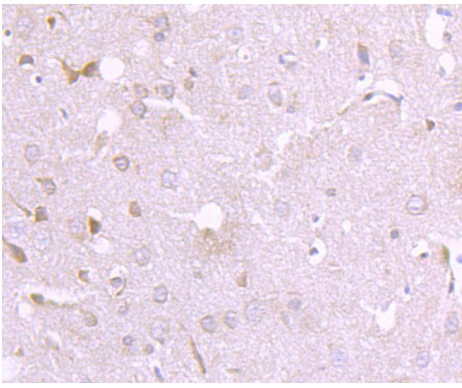
Application Details

WB: 1:1,000 IHC: 1:50-1:200 ICC: 1:100-1:500 FC: 1:50-1:100

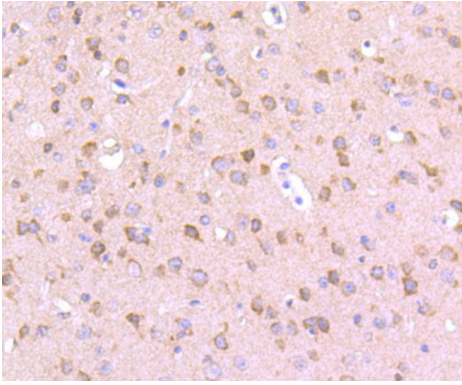
Images



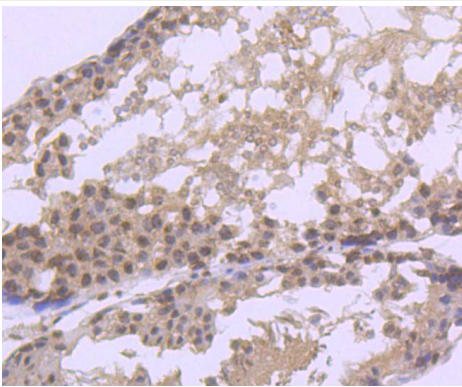
Immunohistochemical analysis of paraffin-embedded rat spinal cord tissue using anti-EIF2C3 antibody. Counter stained with hematoxylin.



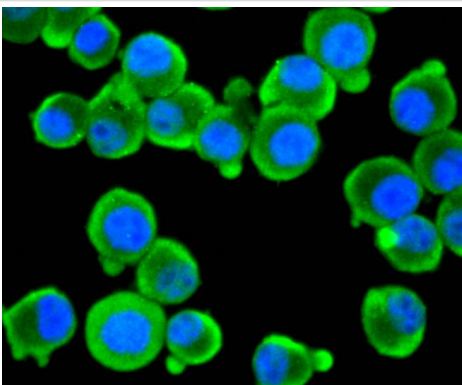
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-EIF2C3 antibody. Counter stained with hematoxylin.



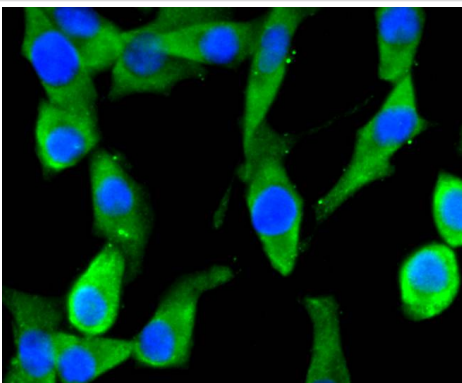
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-EIF2C3 antibody. Counter stained with hematoxylin.



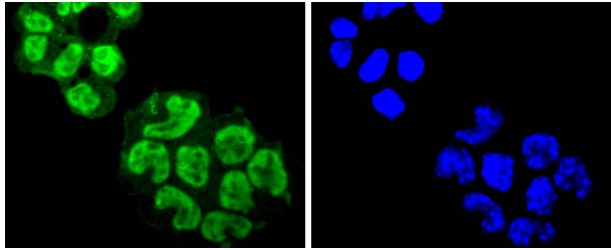
Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-EIF2C3 antibody. Counter stained with hematoxylin.



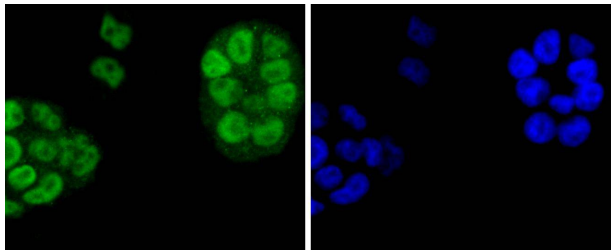
ICC staining EIF2C3 in N2A cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



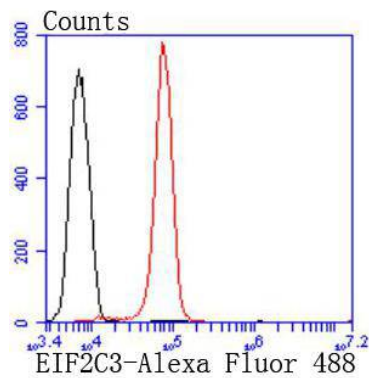
ICC staining EIF2C3 in SHG-44 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining EIF2C3 in F9 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining EIF2C3 in NCCIT cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of N2A cells with EIF2C3 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

Eukaryotic translation initiation factor 2C (eIF2C) proteins (argonaute family) influence RNA interference (RNAi) as components of the RNA-inducible silencing complex (RISC) or microRNA (miRNA)-containing ribonucleoprotein particle (miRNP). Small RNAs, including small interfering RNAs (siRNAs) and miRNAs, can silence target genes through mechanisms that utilize RISC or miRNP particles. eIF2C1 (argonaute 1, AGO1, eIF2C, GERP95, Q99) and Dicer1 play a coordinated role in siRNA-mediated gene silencing. eIF2C2 (Slicer, argonaute 2, AGO2, Q10) is a RISC component that can concentrate in cytoplasmic processing bodies (P-bodies) and catalyze mRNA cleavage. Mammalian P-bodies contain mRNAs and have an association with miRNA-induced translational silencing and siRNA-induced mRNA degradation. Additional eIF2C proteins include eIF2C3 (argonaute 3, AGO3), eIF2C4 (argonaute 4, AGO4) and melf2c5 (mouse argonaute 5).

References

1. Hein M.Y., et al. 2015. A human interactome in three quantitative dimensions organized by stoichiometries and abundances. *Cell* 163:712-723.
2. Schurmann N., et al. 2013. Molecular dissection of human Argonaute proteins by DNA shuffling. *Nat. Struct. Mol. Biol.* 20:818-826.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.